LIGHTING FIXTURE SCHEDULE

FIXTURE CATALOG NUMBER DOES NOT REFLECT TRIM OR FLANGE REQUIRED FOR A SPECIFIC CEILING TYPE IN A ROOM. CONTRACTOR SHALL VERIFY CEILING TYPES FROM ARCHITECTURAL DRAWINGS TO DETERMINE WHETHER FIXTURE REQUIRES TYPE G, F, PF, MT OR ST TRIM.

TYPE	DESCRIPTION	MANUFACTURER	SERIES NUMBER	MOUNTING	(#) LAMPS LUMENS CRI, COLOR	NOTES
A AE	FULL BODY FLUORESCENT NOMINAL 16" X 4' HIGH BAY, WHITE FINISH, SPECULAR MIRROR REFLECTOR, TASK (NARROW) DISTRIBUTION, CLEAR ACRYLIC SHIELD, WIRE GUARD, DUAL STEM HUNG	LITHONIA METALUX DAYBRITE COLUMBIA	FOB164-654T5HO–T1X20-ACL-WG HBI-654T5-NCL/WG FBF-654HO-WG-FBF6/FBF-6E-1W LHV4-654-M4R-CA-WG	SUSPENDED 28'-0" TO BOTTOM, LEVEL WITH BOTTOM OF TRUSS	(6) F54T5HO 4450 82, 3500K	PROVIDE TWO ELECTRONIC BALLASTS WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER FOR THREE LAMP OPERATION.
B BE	FULL BODY FLUORESCENT NOMINAL 16" X 4' HIGH BAY, WHITE FINISH, SPECULAR MIRROR REFLECTOR, TASK (NARROW) DISTRIBUTION, CLEAR ACRYLIC SHIELD, WIRE GUARD, DUAL STEM HUNG	LITHONIA METALUX DAYBRITE COLUMBIA	FOB164-432–T1X20-ACL-WG HBI-432-N-CL/WG FBF-432-WG-FBF4/FBF-4E-1W LHV4-432-M4R-CA-WG	SUSPENDED 12'-0" TO BOTTOM	(4) F32T8 2900 82, 3500K	PROVIDE TWO ELECTRONIC BALLASTS WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER FOR TWO LAMP OPERATION.
C CE	NARROW PROFILE SURFACE FLUORESCENT WRAPAROUND, ACRYLIC PRISMATIC LENS	LITHONIA METALUX DAYBRITE COLUMBIA	CA CR WB RO	CEILING OR WALL AS INDICATED	(2) F32T8 2900 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER FOR TWO LAMP OPERATION.
D DE	8"x4' FIBERGLASS HEAVY-DUTY FLUORESCENT ENCLOSED AND GASKETED, UL WET LOCATION LISTED	LITHONIA METALUX DAYBRITE COLUMBIA	DMW-1-32 VT2 VW LUN	CEILING OR WALL AS INDICATED	(1) F32T8 2900 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER FOR TWO LAMP OPERATION.
F FE	HEAVY DUTY FLUORESCENT INDUSTRIAL, 10% UPLIGHT, CHAIN HUNG	LITHONIA METALUX DAYBRITE COLUMBIA	AF10 DIM 1F KL	SUSPENDED 10'-0" AFF	(2) F32T8 2900 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER FOR TWO LAMP OPERATION.
G GE	2'x4' FLUORESCENT, WHITE STEEL FRAME, .125 A12 ACRYLIC PRISMATIC LENS, 2 LAMP	LITHONIA METALUX DAYBRITE COLUMBIA	2SP8 2GC8 TG8 ST8	RECESSED	(2) F32T8 2900 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER FOR TWO LAMP OPERATION.
G2 G2E	2'x2' FLUORESCENT, WHITE STEEL FRAME, .125 A12 ACRYLIC PRISMATIC LENS, 2 LAMP	LITHONIA METALUX DAYBRITE COLUMBIA	2SP8 2GC8 TG8 ST8	RECESSED	(2) F31T8U 2900 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER FOR TWO LAMP OPERATION.
H HD HE HDE	8" APERTURE COMPACT FLUORESCENT OPEN DOWNLIGHT, VERTICAL LAMP, SPECULAR LOW IRIDESCENT, CLEAR TRIM	GOTHAM PORTFOLIO OMEGA PRESCOLITE	AFV8 C7032 OM8 CFT8	RECESSED	(1) CFTR32 2400 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER. "D" SUFFIX INDICATES DIMMING BALLAST.
H1	6" APERTURE COMPACT FLUORESCENT WET LOCATION SHOWER DOWNLIGHT, VERTICAL LAMP, FRESNEL LENS, WHITE SPLAY TRIM	LITHONIA HALO CAPRI	LP6FN-26TRT-6LR4 PD6V142-60/4QDF FV26-V/WF	RECESSED	(1) CFTR26 1800 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD.
J JE	2'x4' FLUORESCENT VOLUMETRIC, WHITE STEEL FRAME, ACRYLIC PRISMATIC LENS, 2 LAMP	LITHONIA METALUX DAYBRITE COLUMBIA	2RT8S-232 2AC-232 2ATNG-232 EPC2G-SH	RECESSED	(2) F32T8 2900 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER FOR TWO LAMP OPERATION.
K	16" SQUARE RECESSED HID DOWNLIGHT WITH 150W HPS LAMP, FLAT FRESNEL GLASS LENS, UL WET LOCATION LISTED	BETA HUBBELL FAILSAFE	BCP-S16-H-C7-TL-150 HPS-MT ST-S15-VLSYFGP HDR70MP	RECESSED	(1) 150 HPS 16000 22, 2000K	
L	10" SQUARE RECESSED HID DOWNLIGHT WITH 70W PULSE START MH LAMP, FLAT ALBALITE LENS, UL WET LOCATION LISTED	CAPRI PRESCOLITE HALO	CHQ10M70-S52P LFHSQL-H10-70MH M2007T30	RECESSED	(1) 70 PSMH 4700 70, 4000K	
M	APRON HID FLOODLIGHTS WITH PRECISION CURVED REFLECTOR, INTERNAL LOUVER BLADES, ONE PIECE ALUMINUM HOUSING, HORIZONTAL SITE CUTOFF DISTRIBUTION (7X6), SLIPFITTER MOUNT	DAYBRITE LITHONIA MCGRAW-EDISON	FSL-10XS-ISF-MT-HSC TO MATCH EXISTING BLDG D 95V-RWV-480 ALF-F-1000HPS480-67	POLE MOUNTED	(1) 1000 HPS 130000 22, 2100K	MOUNT FIXTURES TO 5" DIAMETER, 30 FT TALL STRAIGHT ROUND STEEL POLE WITH BULLHORN BRACKET ASSEMBLY AND NUMBER OF FIXTURES AS INDICATED ON LIGHTING PLANS. POLE SHALL BE ATTACHED TO BUILDING WALL PER STRUCTURAL DETAIL.
MA	APRON HID FLOODLIGHTS WITH PRECISION CURVED REFLECTOR, INTERNAL LOUVER BLADES, ONE PIECE ALUMINUM HOUSING, HORIZONTAL SITE CUTOFF DISTRIBUTION (7X6), SLIPFITTER MOUNT	DAYBRITE LITHONIA MCGRAW-EDISON	FSL-10XS-ISF-MT-HSC TO MATCH EXISTING BLDG D 95V-RWV-480 ALF-F-1000HPS480-67	POLE MOUNTED	(1) 1000 HPS 130000 22, 2100K	MOUNT FIXTURES TO 9" DIAMETER, 50 FT TALL TAPERED ROUND STEEL POLE WITH BULLHORN BRACKET ASSEMBLY AND NUMBER OF FIXTURES AS INDICATED ON LIGHTING PLANS. POLE SHALL BE ATTACHED TO CONCRETE BASE
N	LED CUT-OFF WALL PACK WITH DIE CAST HOUSING, TEMPERED GLASS LENS, TYPE III DISTRIBUTION	LITHONIA	WST-LED2-10A700/40K-SR3	WALL 12'-0" AFG	20 LED's 4028 70, 4000K 47 INPUT WATTS	BASIS OF DESIGN AS SCHEDULED, BASED UPON PHOTOMETRIC PERFORMANCE AND APPEARANCE. ALSO ACCEPTABLE: LUMARK, DAYBRITE, KIM, GARDCO
P PE	WALL MOUNTED FIXTURE OVER MIRROR, STEEL HOUSING, ACRYLIC LENS, UP/DOWN LIGHT, WHITE FINISH	LITHONIA METALUX DAYBRITE COLUMBIA	WP-132 BEU-132 CB-132 SA4-132	WALL AS NOTED	(1) F32T8 2900 82, 3500K	PROVIDE ELECTRONIC BALLAST WITH <10% THD. WHERE SUFFIX "E" INDICATED: EMERGENCY FIXTURE WITH A SINGLE BATTERY INVERTER.
R	EXTERIOR WALL MOUNTED 18" X 35" LED SHOEBOX, DIE-FORMED HOUSING, 700MA DRIVE CURRENT, TEMPERED GLASS LENS, FORWARD THROW DISTRIBUTION, DARK BRONZE COLOR	LITHONIA	CSX2LED 120C-700/50K TFTM	WALL 30'-0" AFG	120 LED's 30487 67, 5000K 268 INPUT WATTS	BASIS OF DESIGN AS SCHEDULED, BASED UPON PHOTOMETRIC PERFORMANCE AND APPEARANCE. ALSO ACCEPTABLE: LUMARK, DAYBRITE, KIM, GARDCO
SA4	POLE MOUNTED 18" X 35" LED SHOEBOX, DIE-FORMED HOUSING, TEMPERED GLASS LENS, 1000MA DRIVE CURRENT, TYPE IV DISTRIBUTION, DARK BRONZE COLOR	LITHONIA	CSX2LED 120C-1000/50K T4M	40'-0" TALL, 6" SQUARE STEEL POLE	120 LED's 39649 67, 5000K 416 INPUT WATTS	BASIS OF DESIGN AS SCHEDULED, BASED UPON PHOTOMETRIC PERFORMANCE AND APPEARANCE. ALSO ACCEPTABLE: LUMARK, DAYBRITE, KIM, GARDCO
SAF	POLE MOUNTED 18" X 35" LED SHOEBOX, DIE-FORMED HOUSING, TEMPERED GLASS LENS, 1000MA DRIVE CURRENT, FORWARD THROW DISTRIBUTION, DARK BRONZE COLOR	LITHONIA	CSX2LED 120C-1000/50K TFTM	30'-0" TALL, 6" SQUARE STEEL POLE	120 LED's 39649 67, 5000K 416 INPUT WATTS	BASIS OF DESIGN AS SCHEDULED, BASED UPON PHOTOMETRIC PERFORMANCE AND APPEARANCE. ALSO ACCEPTABLE: LUMARK, DAYBRITE, KIM, GARDCO
SB3	POLE MOUNTED 18" X 35" LED SHOEBOX, DIE-FORMED HOUSING, TEMPERED GLASS LENS, 700MA DRIVE CURRENT, TYPE III DISTRIBUTION, DARK BRONZE COLOR	LITHONIA	CSX2LED 120C-700/50K T3M	30'-0" TALL, 6" SQUARE STEEL POLE	120 LED's 29897 67, 5000K 268 INPUT WATTS	BASIS OF DESIGN AS SCHEDULED, BASED UPON PHOTOMETRIC PERFORMANCE AND APPEARANCE. ALSO ACCEPTABLE: LUMARK, DAYBRITE, KIM, GARDCO
SB4	POLE MOUNTED 18" X 35" LED SHOEBOX, DIE-FORMED HOUSING, TEMPERED GLASS LENS, 700MA DRIVE CURRENT, TYPE IV DISTRIBUTION, DARK BRONZE COLOR	LITHONIA	CSX2LED 120C-700/50K T4M	30'-0" TALL, 6" SQUARE STEEL POLE	120 LED's 29792 67, 5000K 268 INPUT WATTS	BASIS OF DESIGN AS SCHEDULED, BASED UPON PHOTOMETRIC PERFORMANCE AND APPEARANCE. ALSO ACCEPTABLE: LUMARK, DAYBRITE, KIM, GARDCO
X	UNIVERSAL MOUNT SELF POWERED LED EXIT SIGN, RED LETTERS, WHITE THERMOPLASTIC STENCIL FACE. NI-CAD BATTERY	LITHONIA SURE-LITE MCPHILBEN DUAL-LITE	LQMSW-ELN LPX7 CXXL-3RG LXURWE	WALL OR CEILING AS INDICATED	LED (INCLUDED)	SINGLE OR DOUBLE FACE WITH OR WITHOUT DIRECTIONAL ARROWS, AS INDICATED.

LEGEND:

(MOUNTING HEIGHTS GIVEN ARE TO CENTERLINE OF DEVICE UNLESS NOTED OTHERWISE)

HA–1,3,5

HA–1 8
HA–3 5

HA–1,3,5 (EXAMPLE ONLY) INDICATES HOMERUN OF CIRCUITS 1, 3 AND 5 TO PANELBOARD HA. THE NUMBERS 3 OR 5 ADJACENT TO AN ARROW INDICATES A CIRCUIT CONTINUATION. MINIMUM CIRCUIT REQUIREMENTS ARE TWO NO. 12 CONDUCTORS AND ONE NO. 12 EQUIPMENT GROUNDING CONDUCTOR. NUMBER(S) AND LOWER CASE LETTER(S) INDICATE CIRCUIT AND SWITCH–LEG DESIGNATIONS RESPECTIVELY. CAPITAL LETTER INDICATES LIGHT FIXTURE TYPE.

RECESSED OR SURFACE MOUNTED FLUORESCENT FIXTURE, SHADING INDICATES EMERGENCY FIXTURE

FLUORESCENT STRIP FIXTURE, SHADING INDICATES EMERGENCY FIXTURE

WALL MOUNTED FLUORESCENT FIXTURE, SHADING INDICATES EMERGENCY FIXTURE

RECESSED OR SURFACE MOUNTED DOWNLIGHT, SHADING INDICATES EMERGENCY FIXTURE

WALL MOUNTED FIXTURE, SHADING INDICATES EMERGENCY FIXTURE

CEILING OR WALL MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROWS AS SHOWN, DARKENED QUADRANT INDICATES FACE

EXTERIOR APRON FLOODLIGHT, POLE MOUNTED TO TENON MAST WITH QUANTITY OF FIXTURES AS INDICATED

EXTERIOR POLE MOUNTED FIXTURE; POLE AND CONCRETE BASE WITH QUANTITY OF FIXTURES AS INDICATED

CEILING OR WALL MOUNTED JUNCTION BOX

EMERGENCY BATTERY PACK WITH 2 LAMP HEADS

J — JUNCTION BOX MOUNTED FLUSH IN FLOOR

DUPLEX RECEPTACLE, NEMA 5–20R, MOUNT 18" AFF UNO. STANDARD RECEPTACLE UNLESS NOTED AS FOLLOWS:
"GF" = GROUND FAULT CIRCUIT INTERRUPTER
"WP" = WEATHERPROOF COVER

DOUBLE DUPLEX RECEPTACLE, NEMA 5–20R, MOUNT 18" AFF UNO. STANDARD RECEPTACLE UNLESS NOTED AS FOLLOWS:
"GF" = GROUND FAULT CIRCUIT INTERRUPTER
"WP" = WEATHERPROOF COVER

SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION AS INDICATED, MOUNT 18" AFF UNO

DUPLEX RECEPTACLE, NEMA 5–20R, MOUNTED FLUSH IN FLOOR

DUPLEX RECEPTACLE, NEMA 5–20R, MOUNTED FLUSH IN CEILING.

SURFACE MOUNTED MULTI–OUTLET RACEWAY ASSEMBLY, RECEPTACLES SPACED 12" ON CENTER OR AS INDICATED, MOUNT TO MILLWORK AS INDICATED.

COMBINATION DATA/TELEPHONE OUTLET WITH PORTS AS NOTED. MOUNT 18" AFF UNO
D = DATA
V = VOICE

TV — CABLE TELEVISION OUTLET BOX, MOUNT 84" AFF UNO

S — SINGLE–POLE TOGGLE SWITCH, MOUNT 48" AFF

S^3 — THREE–WAY TOGGLE SWITCH, MOUNT 48" AFF

S^4 — FOUR–WAY TOGGLE SWITCH, MOUNT 48" AFF

S^D — DIMMER SWITCH, MOUNT 48" AFF

S^{OS} — WALL BOX OCCUPANCY SENSOR, MOUNT 48" AFF

OS — CEILING MOUNTED OCCUPANCY SENSOR

OSP — POWER PACK FOR CEILING MOUNTED OCCUPANCY SENSOR

F — FIRE ALARM MANUAL PULL STATION, MOUNT 48" AFF

FIRE ALARM COMBINATION AUDIO/VISUAL SIGNAL DEVICE, 75 CANDELA UNLESS NOTED, BOTTOM MOUNTED 80" AFF

^{15} — FIRE ALARM VISUAL ONLY SIGNAL DEVICE, CANDELA VALUE INDICATED, BOTTOM MOUNTED 80" AFF

CEILING OR WALL MOUNTED SMOKE DETECTOR

CEILING MOUNTED THERMAL DETECTOR

FIRE ALARM FLOW SWITCH

FIRE ALARM TAMPER SWITCH

FIRE ALARM PRESSURE SWITCH

PANELBOARD, FLUSH MOUNTED

PANELBOARD, SURFACE MOUNTED

EQUIPMENT PLYWOOD BACKBOARD, SIZE AS INDICATED

T — DRY–TYPE TRANSFORMER, KVA AS INDICATED OR SCHEDULED

M — MOTOR, HP AS INDICATED; M INDICATES FRACTIONAL HORSEPOWER.

PACKAGE CONTROL PANEL WITH MOTOR STARTER/CONTROLLER/CIRCUIT BREAKER OR DISCONNECT PROVIDED BY DIVISION 23

EQUIPMENT OR PANEL AS INDICATED

S_M — MOTOR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION (MANUAL MOTOR STARTER)

30/3/15FU — COMBINATION STARTER/DISCONNECT SWITCH; AMPS/POLES/FUSES AS INDICATED

30/3 — HEAVY DUTY NOT–FUSIBLE DISCONNECT SWITCH; AMPS/POLES AS INDICATED.

30/3/20FU — HEAVY DUTY FUSIBLE DISCONNECT SWITCH; AMPS/POLES/FUSES AS INDICATED.

CONDUIT INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING

CONDUIT INSTALLED CONCEALED IN/OR BELOW FLOOR SLAB OR BELOW GRADE

CONDUIT INSTALLED EXPOSED

CONDUIT TURNING UP/CONDUIT TURNING DOWN

CONDUIT TERMINATION, STUB–OUT WITH THREADED OR SETSCREW CAP

CONNECTION TO GROUNDING ELECTRODE

LIGHTNING PROTECTION AIR TERMINAL

COPPER GROUND BUSBAR WITH 5/16" HOLES, MOUNT 18" AFF

SD — SMOKE DAMPER

SACS CARD READER, 48" AFF

CCTV CAMERA, WALL MOUNT 10'–0" AFG UNO

DOOR PUSH TO EXIT PUSHBUTTON, 48" AFF

GENERAL NOTES:

1. METHODS, MATERIALS AND PROVISIONS OF DIVISIONS 26, 27 AND 28 SPECIFICATIONS, GENERAL CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS ARE AN INTEGRAL PART OF THE BID AND CONSTRUCTION DOCUMENTS AND MUST BE RIGIDLY ADHERED TO.
2. PERFORM ALL WORK IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE. IN SOME CASES, PROJECT DRAWINGS AND SPECIFICATIONS EXCEED MINIMUM CODE REQUIREMENTS.
3. ALL WIRE AND CABLE SHALL BE COPPER WITH THWN/THHN, 600 VOLT INSULATION. MINIMUM CONDUCTOR SIZE SHALL BE #12 FOR POWER AND LIGHTING CIRCUITS. MINIMUM CONDUCTOR SIZE SHALL BE #14 FOR SIGNAL/CONTROL CIRCUITS. BRANCH & FEEDER ABOVE GROUND– THHN (90° C). BRANCH & FEEDER BELOW GROUND – THWN (90° C). SECONDARY SERVICE ENTRANCE – THWN (90° C).
4. #10 AND SMALLER WIRE CONNECTORS SHALL BE 600 VOLT ELECTRICAL SPRING CONNECTORS (IDEAL 451/452 OR 3M E12/512). #8 AND LARGER WIRE CONNECTORS SHALL BE THE SPLIT BOLT TYPE WITH INSULATION OF VINYL PLASTIC PADS AND VINYL PLASTIC TAPE (3M 2200/2210 AND SUPER 33+).
5. ALL WIRE AND CABLE SHALL BE INSTALLED IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4". MINIMUM BRANCH CIRCUIT HOMERUN CONDUIT SIZE SHALL BE 3/4".
6. ELECTRICAL METALLIC TUBING (EMT) WITH COMPRESSION COUPLINGS AND FITTINGS MAY BE USED IN FINISHED AREAS. EMT MAY ALSO BE USED IN UNFINISHED AREAS WHERE PROTECTED IN COLUMN WEBS OR UP IN JOIST SPACE.
7. PROVIDE RIGID GALVANIZED STEEL CONDUIT (RGSC) WHERE CONDUIT IS SUSCEPTIBLE TO PHYSICAL DAMAGE AND IN ALL EXTERIOR LOCATIONS ABOVE GROUND.
8. PROVIDE STEEL BONDING–TYPE LOCKNUTS AND INSULATED THROAT CONNECTORS WHERE CONDUIT ENTERS PANELBOARD ENCLOSURES, WIREWAYS, STARTERS AND SWITCH ENCLOSURES, JUNCTION BOXES AND ALL METALLIC ENCLOSURE BOXES. FIELD–INSTALLABLE INSERTS WILL NOT BE ALLOWED.
9. MAKE FINAL CONNECTIONS TO MOTORS, VIBRATING EQUIPMENT AND WATER HEATERS WITH LIQUID–TIGHT FLEXIBLE METAL CONDUIT (LFMC) AND CONNECTORS. MAKE FINAL CONNECTIONS TO LIGHT FIXTURES WITH FLEXIBLE METAL CONDUIT (FMC) AND CONNECTORS.
10. PROVIDE INTUMESCENT FIRESEAL AT ALL SLEEVE AND CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS TO MAINTAIN RATING OF WALLS.
11. PROVIDE GREEN COLORED INSULATED GROUNDING CONDUCTOR(S) IN ALL CONDUIT AND RACEWAY SYSTEMS.
12. FUSES SHALL BE DUAL–ELEMENT, NEMA CLASS RK1 OR RK5.
13. SUPPORT ALL LIGHTING FIXTURES INDEPENDENTLY OF ALL SUSPENDED CEILINGS. SUPPORT THE FIXTURES FROM THE STRUCTURE ABOVE WITH 2#10 TIE WIRES.
14. VERIFY ALL DOOR SWINGS WITH THE FINAL ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING–IN ANY SWITCH OUTLET BOXES.
15. OUTLETS WHICH ARE NOTED FOR A PARTICULAR PIECE OF EQUIPMENT ARE SO NOTED IN ORDER THAT COORDINATION OF THE LOCATION OF THE OUTLET WITH THE CONNECTING LOCATION OF THE EQUIPMENT CAN OCCUR. THIS COORDINATION SHALL BE INCLUDED AS PART OF THE WORK OF DIVISION 26.
16. OUTLET AND JUNCTION BOXES SHALL NOT BE MOUNTED BACK–TO–BACK IN WALLS. ASSURE MINIMUM 24" HORIZONTAL SEPARATION IN RATED FIRE WALLS.
17. CIRCUIT DIRECTORIES FOR PANELBOARDS SHALL BE TYPE–WRITTEN; HAND–WRITTEN DIRECTORIES WILL NOT BE ALLOWED.
18. REVIEW CONTROL SCHEMATICS AND DIAGRAMS ON MECHANICAL DRAWINGS (DIVISION 23) IN ORDER TO INCLUDE ACCESSORIES REQUIRED WITH MOTOR CONTROLLER DEVICES PROVIDED UNDER DIVISION 26.
19. PROVIDE A TEMPORARY PRIMARY SERVICE FROM A POWER COMPANY SOURCE TO THE FACILITY SITE FOR LIGHT AND POWER REQUIREMENTS DURING CONSTRUCTION. MEET OR EXCEED OSHA STANDARDS FOR ELECTRICAL DISTRIBUTION AND SAFETY ON CONSTRUCTION SITES.
20. SERVICE ENTRANCE EQUIPMENT SHALL BE MARKED IN ACCORDANCE WITH NEC 110.24, INDICATING MAXIMUM AVAILABLE FAULT CURENT. MARKING SHALL BE IN ACCORDANCE WITH STUDY PERFORMED PER DIVISION 26 SPECIFICATIONS AND SHALL INCLUDE DATE OF STUDY.
21. ALL SECURITY EQUIPMENT REQUIRED (SACS CARD READERS, CCTV EQUIPMENT, RACKS AND ALL ACCESSORIES) SHALL BE FURNISHED BY THE CONTRACTOR UNDER THE SCOPE OF THIS PROJECT FROM THE AIRPORT'S ACTIVELY CONTRACTED SECURITY VENDOR, MC DEAN (404–606–6778) TO MATCH THE EXISTING INSTALLATION AT HJAIA. ALL EQUIPMENT SHALL BE FURNISHED, COORDINATED AND INSTALLED UNDER THE SUPERVISION OF THIS VENDOR.
22. ALL COMMUNCATIONS/DATA EQUIPMENT REQUIRED FOR A COMPLETE AND WORKING SYSTEM SHALL BE FURNISHED BY THE CONTRACTOR UNDER THE SCOPE OF THIS PROJECT AS DIRECTED BY HJAIA DIT DEPARTMENT, TO MATCH THE EXISTING INSTALLATION AT HJAIA. INSTALLATION OF ALL EQUIPMENT SHALL BE COORDINATED AND PERFORMED UNDER THE SUPERVISION OF HJAIA DIT.

ABBREVIATIONS:

A	AMPERES
AC	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AM	AMMETER
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BC	BELOW CEILING
C or C.	CONDUIT
CB	CIRCUIT BREAKER
CLG	CEILING
DISP	DISPOSAL
DS	DISCONNECT SWITCH
DW	DISHWASHER
EC	EMPTY CONDUIT
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMT	ELECTRICAL METALLIC TUBING
ER	EXISTING REMOVED
ERR	EXISTING REMOVED/RELOCATED
EWC	ELECTRIC WATER COOLER
EX	EXISTING TO REMAIN
FACP	FIRE ALARM CONTROL PANEL
FD	FIRE DAMPER
FMC	FLEXIBLE METALLIC CONDUIT
FWE	FURNISHED WITH EQUIPMENT
G	GROUND OR EQUIPMENT GROUNDING CONDUCTOR
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HOA	HAND–OFF–AUTOMATIC
HP	HORSEPOWER
IG	ISOLATED GROUND OR ISOLATED GROUNDING CONDUCTOR
J–BOX	JUNCTION BOX
kV	KILOVOLT
kVA	KILOVOLT AMPERES
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
MAX.	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MIN.	MINIMUM
MLO	MAIN LUG ONLY
MTD	MOUNTED
MW	MICROWAVE OVEN
N	NEUTRAL, NEUTRAL CONDUCTOR OR GROUNDED CONDUCTOR
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NF	NOT FUSIBLE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT, NOT SWITCHED
NMC	NON–METALLIC CONDUIT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OCP	OVERCURRENT PROTECTION
P	POLE
PB	PULLBOX
PH	PHASE
PNLBD	PANELBOARD
PVC	POLYVINYL CHLORIDE
RCPT	RECEPTACLE
REF	REFRIGERATOR
RGSC	RIGID GALVANIZED STEEL CONDUIT
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
ST	SHUNT TRIP
SW	SWITCH
SWBD	SWITCHBOARD
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VA	VOLT AMPERES
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLT METER
W	WATT
WM	WATT METER
WP	WEATHERPROOF
XFMR	TRANSFORMER

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

NO.	DATE	BY	REVISION

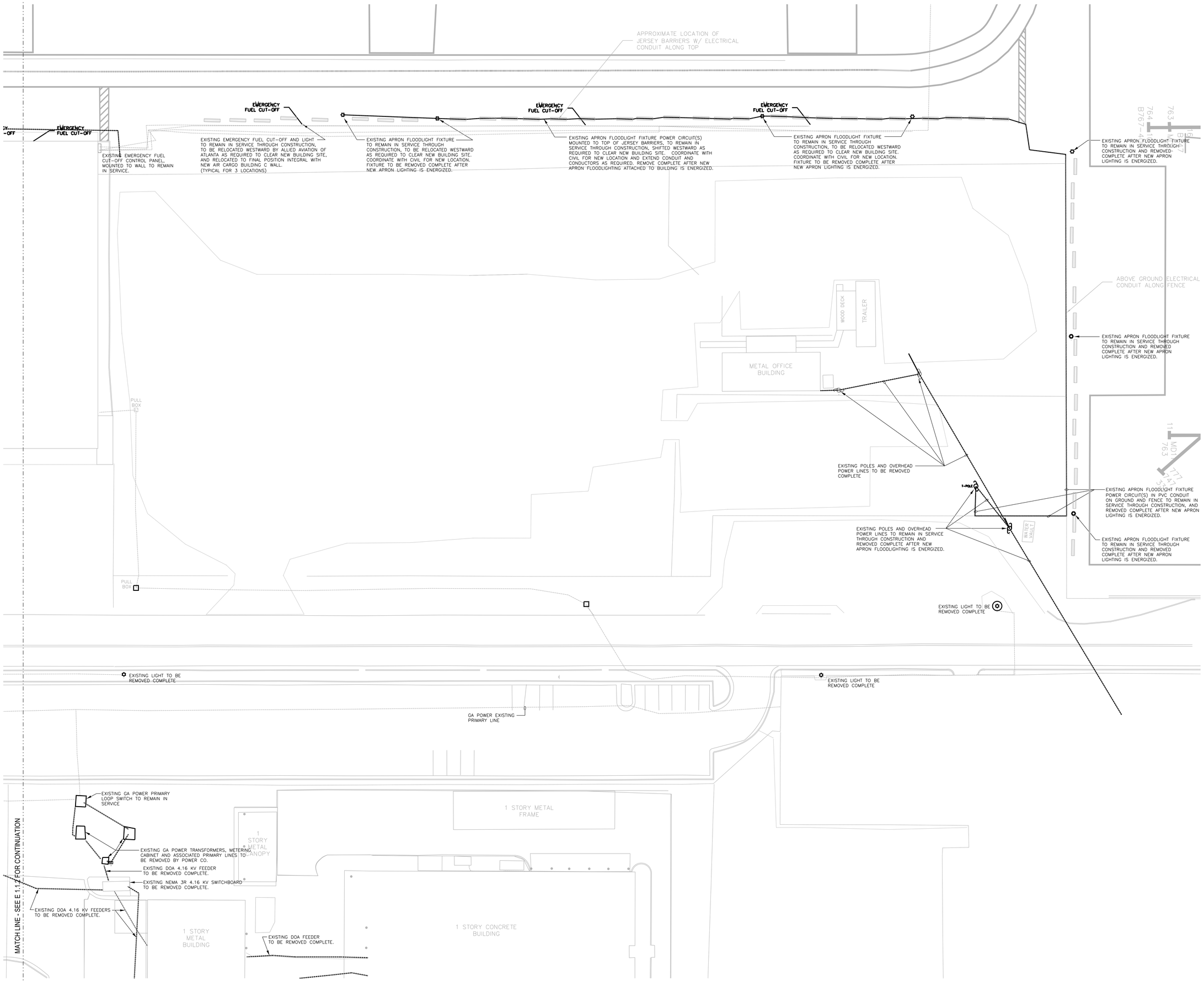
AIR CARGO BUILDING C

ELECTRICAL LEGEND, GENERAL NOTES & LIGHTING FIXTURE SCHEDULE

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
	DATE: 11/25/2014
	SCALE: NONE
SEAL	SHEET NO: E 0.1.1

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT RELEASED FOR CONSTRUCTION



1 / E 1.1.1 **ELECTRICAL SITE PLAN - DEMOLITION**

SCALE: 1"=20'-0"

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX:3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

ELECTRICAL SITE PLAN DEMOLITION

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
SEAL	DATE: 11/25/2014
	SCALE: 1"=20'-0"
	SHEET NO: E 1.1.1

NOT RELEASED FOR CONSTRUCTION

CONCRETE
PANEL WAREHOUSE
BLDG D

CONC WALL

A/C EQUIP

X 1031.9

X FFE:986.0

X FFE:986.0

X FFE:986.0

X FFE:986.0

X FFE:986.1

X FFE:986.1

OVERHANG

OVERHANG

OVERHANG

OVERHANG

CONCRETE
PANEL WAREHOUSE
BLDG D

CONCRETE RAMP

COMM BOX

EXISTING AT & T COMMUNICATIONS PULLBOX/MANHOLE TO REMAIN

EXISTING AT & T CONDUIT DUCTBANK TO WEST SIDE OF LOOP ROAD

EXISTING GA POWER TRANSFORMER SERVING AIR CARGO BUILDING D TO BE REMOVED BY POWER CO.. SEE ELECTRICAL SITE PLAN SHEET E 1.2.2 FOR NEW TRANSFORMER LOCATION

POWER TRANSFORMER AND PAD

EXISTING LIGHT TO BE REMOVED COMPLETE

EXISTING LIGHT TO BE REMOVED COMPLETE

EXISTING LIGHT TO BE REMOVED OR RELOCATED BY GA POWER

EXISTING LIGHTS AND ASSOCIATED FEEDER TO BE REMOVED COMPLETE

1 STORY CONCRETE BUILDING

EXISTING DOA TRANSFORMER & FEEDERS TO BE REMOVED COMPLETE.

NIC

EXISTING LIGHT TO BE REMOVED OR RELOCATED BY GA POWER

EXISTING LIGHTS AND ASSOCIATED FEEDER TO BE REMOVED COMPLETE

EXISTING LIGHTS AND ASSOCIATED FEEDER TO BE REMOVED COMPLETE

EXISTING LIGHT TO REMAIN IN SERVICE. SEE E 1.2.2 FOR NEW BRANCH CIRCUIT CONNECTION

MATCH LINE - SEE E 1.1.1 FOR CONTINUATION

NORTH

1
E 1.1.2

ELECTRICAL SITE PLAN - DEMOLITION

SCALE: 1"=20'-0"

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HSST

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ATLANTA, GA 30303
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FAX: 404.522.3823

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2470 SANDY PLAINS ROAD
MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

ELECTRICAL
SITE PLAN
DEMOLITION

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	DATE: 11/25/2014
	SCALE: 1"=20'-0"
SEAL	SHEET NO: E 1.1.2

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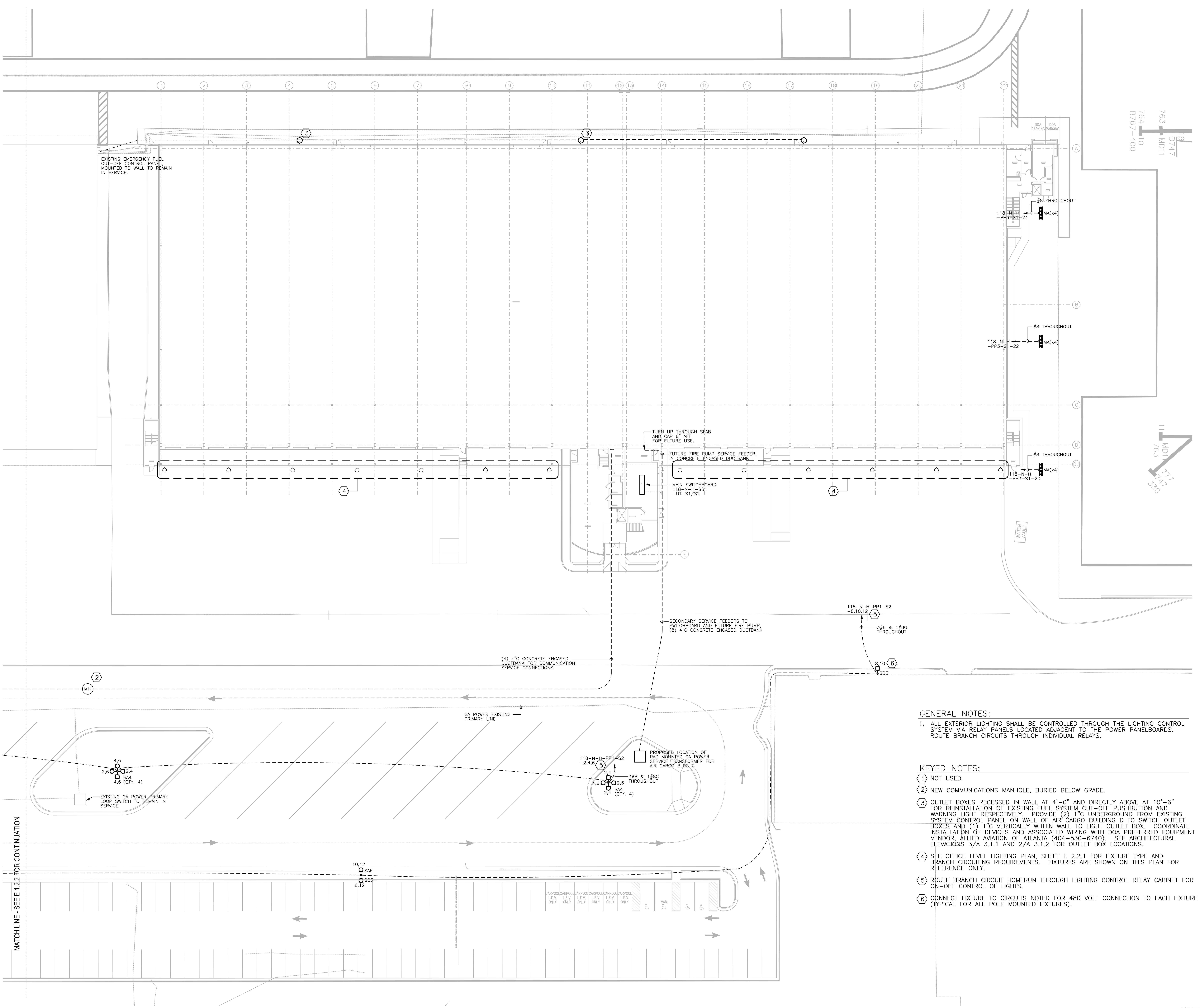

GENERAL NOTES:

1. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED THROUGH THE LIGHTING CONTROL SYSTEM VIA RELAY PANELS LOCATED ADJACENT TO THE POWER PANELBOARDS. ROUTE BRANCH CIRCUITS THROUGH INDIVIDUAL RELAYS.

KEYED NOTES:

1. NOT USED.
2. NEW COMMUNICATIONS MANHOLE, BURIED BELOW GRADE.
3. OUTLET BOXES RECESSED IN WALL AT 4'-0" AND DIRECTLY ABOVE AT 10'-6" FOR REINSTALLATION OF EXISTING FUEL SYSTEM CUT-OFF PUSHBUTTON AND WARNING LIGHT RESPECTIVELY. PROVIDE (2) 1"C UNDERGROUND FROM EXISTING SYSTEM CONTROL PANEL ON WALL OF AIR CARGO BUILDING D TO SWITCH OUTLET BOXES AND (1) 1"C VERTICALLY WITHIN WALL TO LIGHT OUTLET BOX. COORDINATE INSTALLATION OF DEVICES AND ASSOCIATED WIRING WITH DOA PREFERRED EQUIPMENT VENDOR, ALLIED AVIATION OF ATLANTA (404-530-6740). SEE ARCHITECTURAL ELEVATIONS 3/A 3.1.1 AND 2/A 3.1.2 FOR OUTLET BOX LOCATIONS.
4. SEE OFFICE LEVEL LIGHTING PLAN, SHEET E 2.2.1 FOR FIXTURE TYPE AND BRANCH CIRCUITING REQUIREMENTS. FIXTURES ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY.
5. ROUTE BRANCH CIRCUIT HOMERUN THROUGH LIGHTING CONTROL RELAY CABINET FOR ON-OFF CONTROL OF LIGHTS.
6. CONNECT FIXTURE TO CIRCUITS NOTED FOR 480 VOLT CONNECTION TO EACH FIXTURE (TYPICAL FOR ALL POLE MOUNTED FIXTURES).

1 / E 1.2.1 ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

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NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

ELECTRICAL SITE PLAN

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GENERAL NOTES:

1. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED THROUGH THE LIGHTING CONTROL SYSTEM VIA RELAY PANELS LOCATED ADJACENT TO THE POWER PANELBOARDS. ROUTE BRANCH CIRCUITS THROUGH INDIVIDUAL RELAYS.

KEYED NOTES:

1. COORDINATE WITH AT & T FOR NEW CONDUIT CONNECTION TO EXISTING PULLBOX FOR FUTURE TENANT SERVICE.
2. EXISTING HID WALL MOUNTED FIXTURE TO BE REMOVED AND REPLACED WITH NEW LED FIXTURE TYPE R AT SAME LOCATION. RECONNECT EXISTING 277 VOLT BRANCH CIRCUIT TO NEW FIXTURE.
3. ROUTE BRANCH CIRCUIT HOMERUN THROUGH LIGHTING CONTROL RELAY CABINET FOR ON-OFF CONTROL OF LIGHTS.
4. CONNECT FIXTURE TO CIRCUITS NOTED FOR 480 VOLT CONNECTION TO EACH FIXTURE (TYPICAL FOR ALL POLE MOUNTED FIXTURES).
5. REPLACE EXISTING BALLAST IN THIS FIXTURE WITH 480 VOLT BALLAST COMPATIBLE WITH NEW FIXTURE BRANCH CIRCUITING.
6. NEW SECONDARY SERVICE ENTRANCE FOR EXISTING BUILDING D TO REPLACE EXISTING. SEE BUILDING D POWER RISER DIAGRAMS, SHEET E 6.1.2 FOR REQUIREMENTS.

CONC WALL

NEW LOCATION FOR GA POWER TRANSFORMER SERVING BLDG D

CONCRETE RAMP

EXISTING AT & T COMMUNICATIONS PULLBOX/MANHOLE TO REMAIN

EXISTING AT & T CONDUIT DUCTBANK TO WEST SIDE OF LOOP ROAD

(4) 4"C CONCRETE ENCASED DUCTBANK FOR COMMUNICATION SERVICE CONNECTIONS

(4) 4"C CONCRETE ENCASED DUCTBANK FOR COMMUNICATION SERVICE CONNECTIONS

MH

3#8 & 1#8G THROUGHOUT

118-N-H-PP1-S2
1,3,5

1,3
SB4
(QTY. 2)
3,5

2,6
2,4 4,6
SB4
2,6 (QTY. 4)

10,12
SAF
SB3
8,10

VAN

1,5 1,3
SB4
(QTY. 2)

EXISTING LIGHT TO REMAIN IN SERVICE. TO BE RECONNECTED TO NEW LIGHTS AS SHOWN

3,5

MATCH LINE - SEE E 1.2.1 FOR CONTINUATION

NORTH

1 E 1.2.2 **ELECTRICAL SITE PLAN**
SCALE: 1"=20'-0"

CITY OF ATLANTA, GEORGIA

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SEAL	SHEET NO: E 1.2.2

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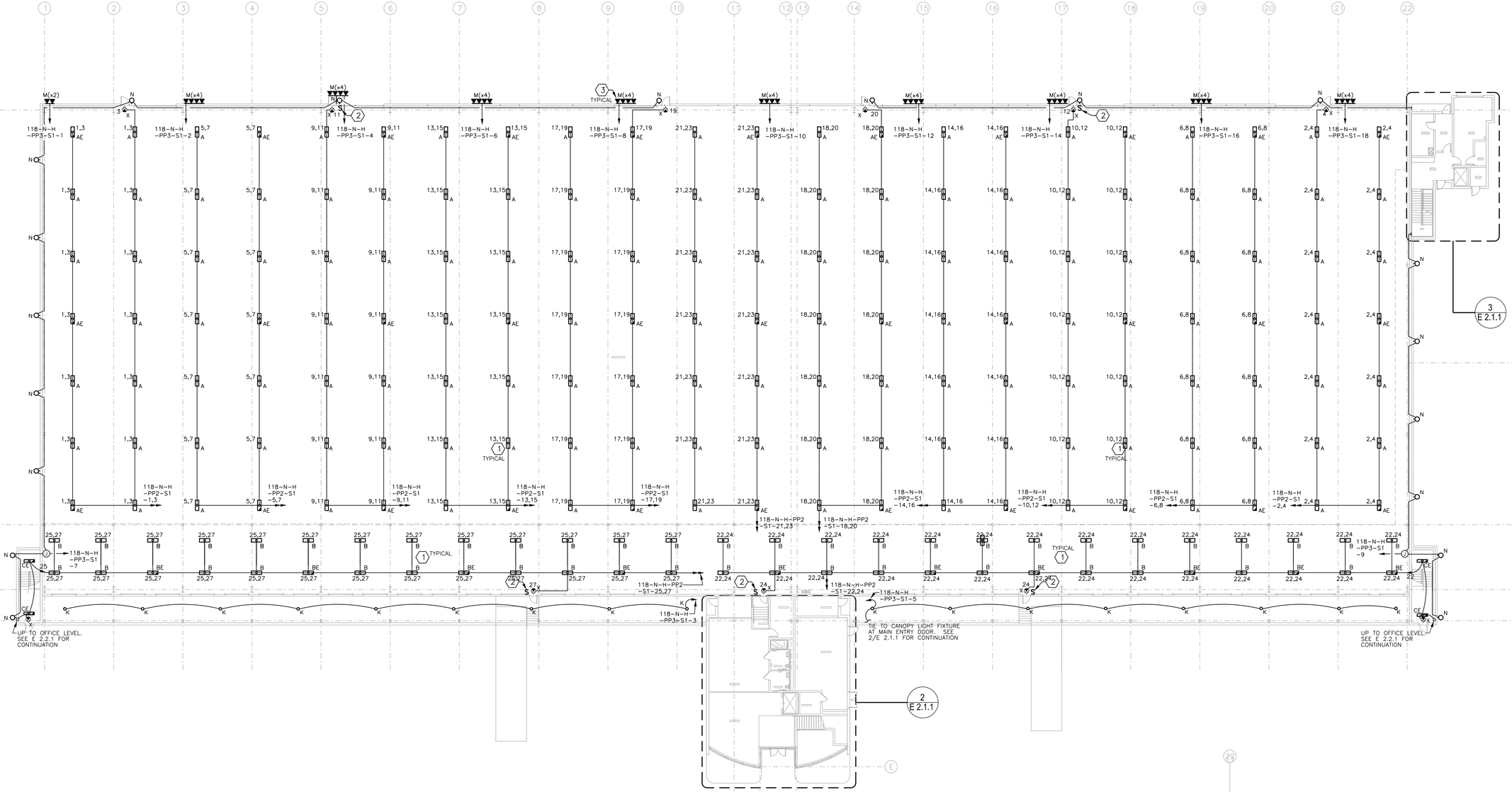
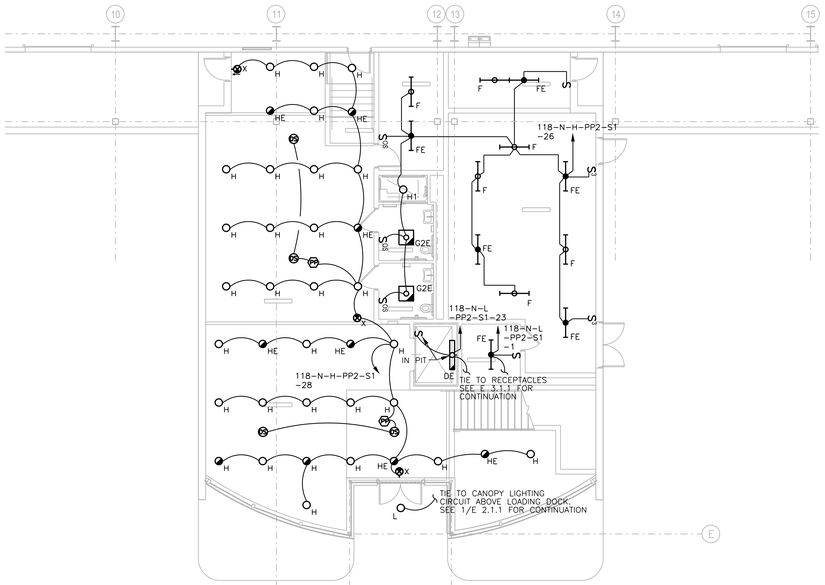


1 E 2.1.1 OPERATIONS LEVEL LIGHTING PLAN

SCALE: 1/16"=1'-0"



2 E 2.1.1 PART PLAN - OPERATIONS LEVEL OFFICE LIGHTING

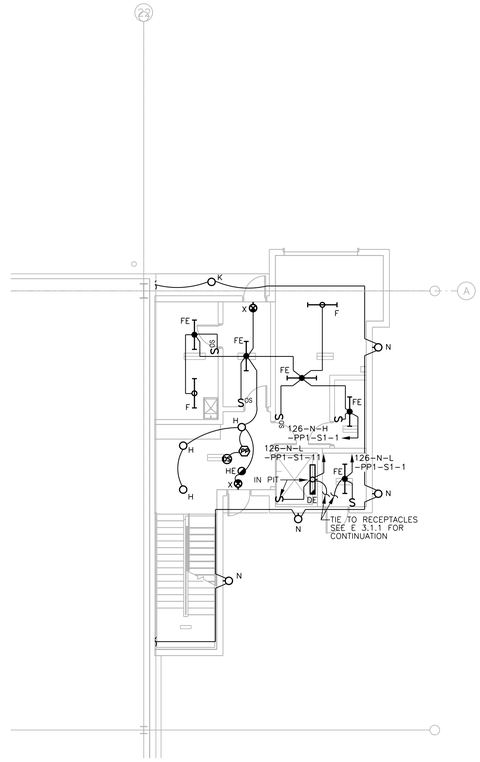
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL EMERGENCY BATTERY INVERTER BALLASTED FIXTURES SHALL BE WIRED TO BE SWITCHED WITH THE NORMAL LIGHTING IN THE ROOM UNO.
2. PROVIDE UNSWITCHED BRANCH CIRCUIT CONDUCTOR TO ALL EXIT SIGNS AND EMERGENCY BATTERY INVERTER BALLASTS FOR CONTINUOUS CHARGING OF INVERTER.
3. ALL TYPE A, AE, B AND BE WAREHOUSE LIGHTING SHALL BE CONTROLLED THROUGH THE LIGHTING CONTROL SYSTEM VIA RELAY PANELS LOCATED ADJACENT TO THE POWER PANELBOARDS. ROUTE BRANCH CIRCUITS THROUGH INDIVIDUAL RELAYS.
4. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED THROUGH THE LIGHTING CONTROL SYSTEM VIA RELAY PANELS LOCATED ADJACENT TO THE POWER PANELBOARDS. ROUTE BRANCH CIRCUITS THROUGH INDIVIDUAL RELAYS.

KEYED NOTES:

1. FIXTURE WITH TWO 277 VOLT BALLASTS. CONNECT FIRST CIRCUIT TO ONE BALLAST AND CONNECT SECOND CIRCUIT TO THE OTHER BALLAST. PROVIDE ADDITIONAL UNSWITCHED CONDUCTOR FROM SECOND CIRCUIT FOR CONNECTION TO BATTERY INVERTER CHARGER. (TYPICAL FOR ALL TYPE A, AE, B AND BE FIXTURES IN WAREHOUSE AREA).
2. LIGHTING CONTROL SYSTEM PUSHBUTTON OVERRIDE SWITCH LOCATION.
3. SEE STRUCTURAL DETAIL 12/S 7.0.1 FOR MOUNTING OF POLE TO BUILDING FOR ALL TYPE M FIXTURE LOCATIONS ALONG WEST BUILDING ELEVATION.



3 E 2.1.1 PART PLAN - OPERATIONS LEVEL DOA RAMP OPS LIGHTING

SCALE: 1/8"=1'-0"

CITY OF ATLANTA, GEORGIA

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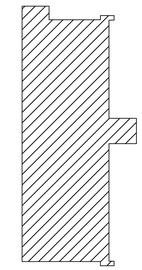

KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

ELECTRICAL OPERATIONS LEVEL LIGHTING PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
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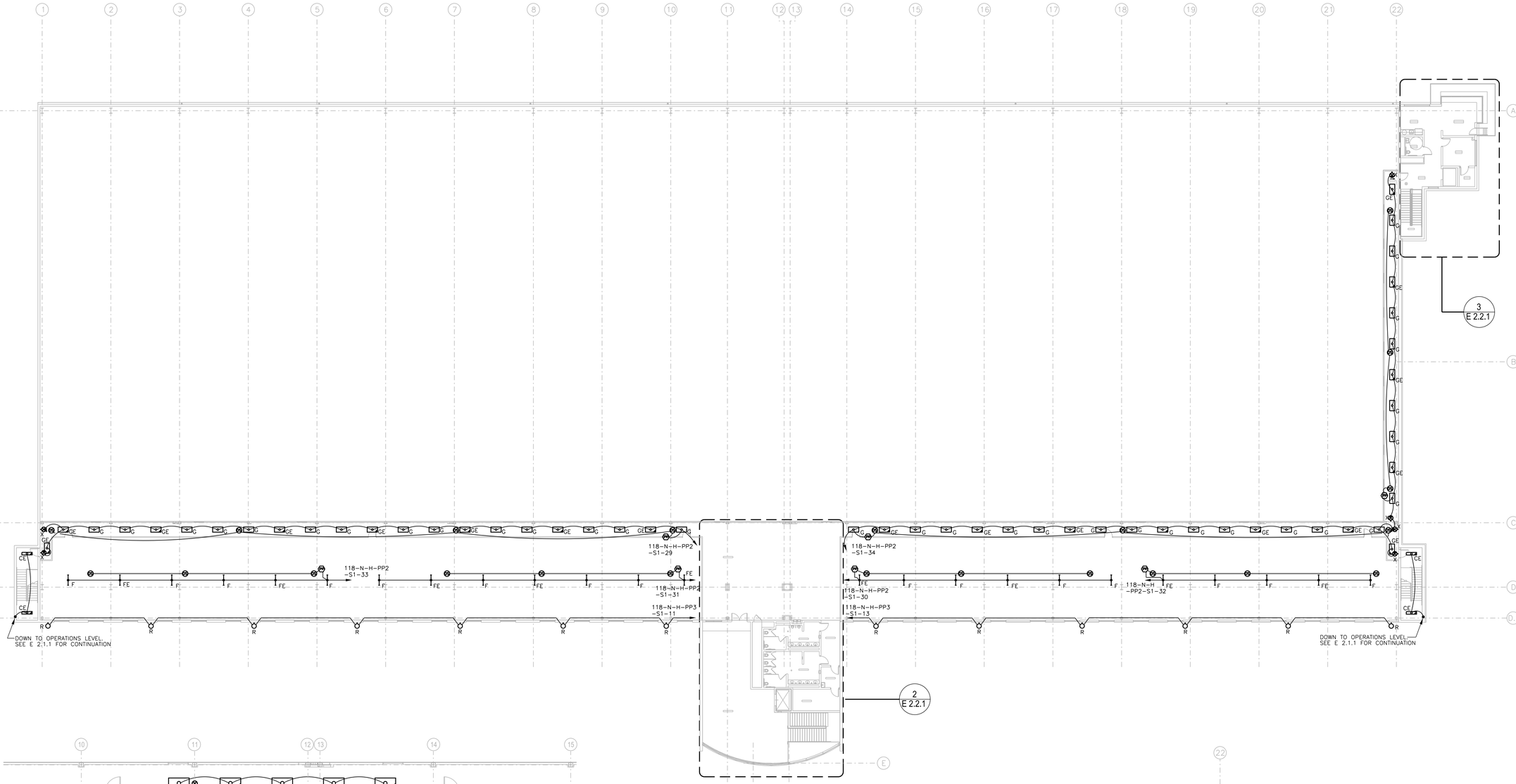
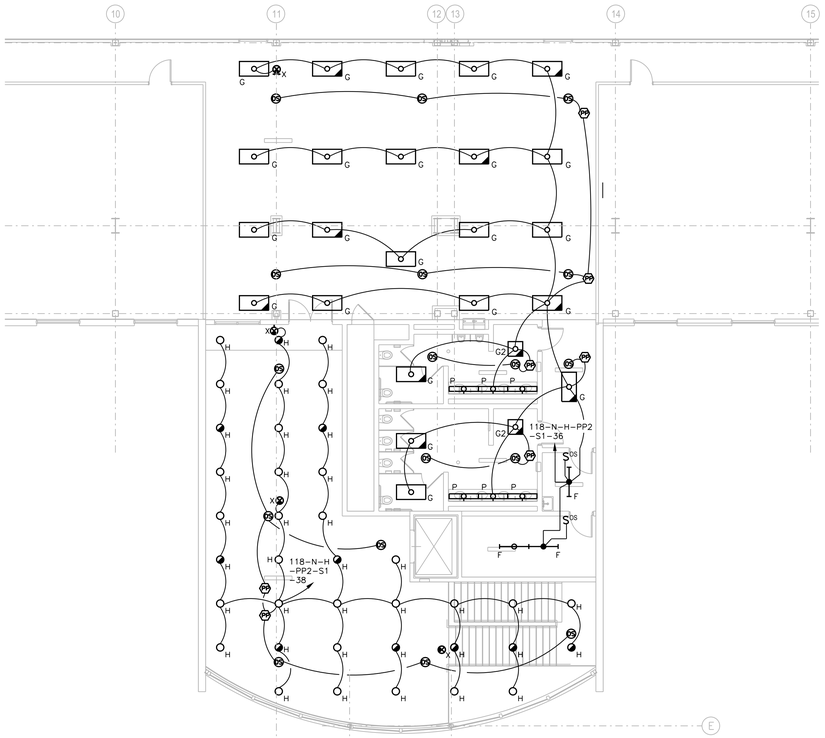


1 E 2.2.1 OFFICE LEVEL LIGHTING PLAN

SCALE: 1/16"=1'-0"

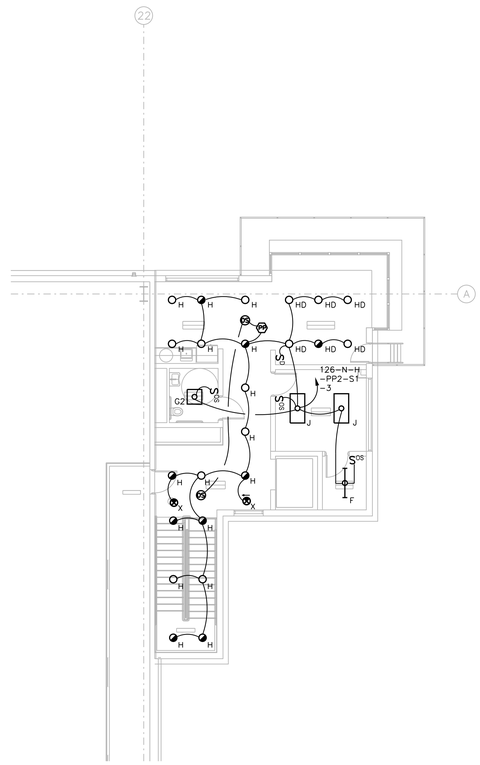


2 E 2.2.1 PART PLAN - OFFICE LEVEL OFFICE LIGHTING

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL EMERGENCY BATTERY INVERTER BALLASTED FIXTURES SHALL BE WIRED TO BE SWITCHED WITH THE NORMAL LIGHTING IN THE ROOM UNO.
2. PROVIDE UNSWITCHED BRANCH CIRCUIT CONDUCTOR TO ALL EXIT SIGNS AND EMERGENCY BATTERY INVERTER BALLASTS FOR CONTINUOUS CHARGING OF INVERTER.
3. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED THROUGH THE LIGHTING CONTROL SYSTEM VIA RELAY PANELS LOCATED ADJACENT TO THE POWER PANELBOARDS. ROUTE BRANCH CIRCUITS THROUGH INDIVIDUAL RELAYS.



3 E 2.2.1 PART PLAN - OFFICE LEVEL DOA RAMP OPS LIGHTING

SCALE: 1/8"=1'-0"

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KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

ELECTRICAL
OFFICE LEVEL
LIGHTING PLAN

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SEAL

NORTH

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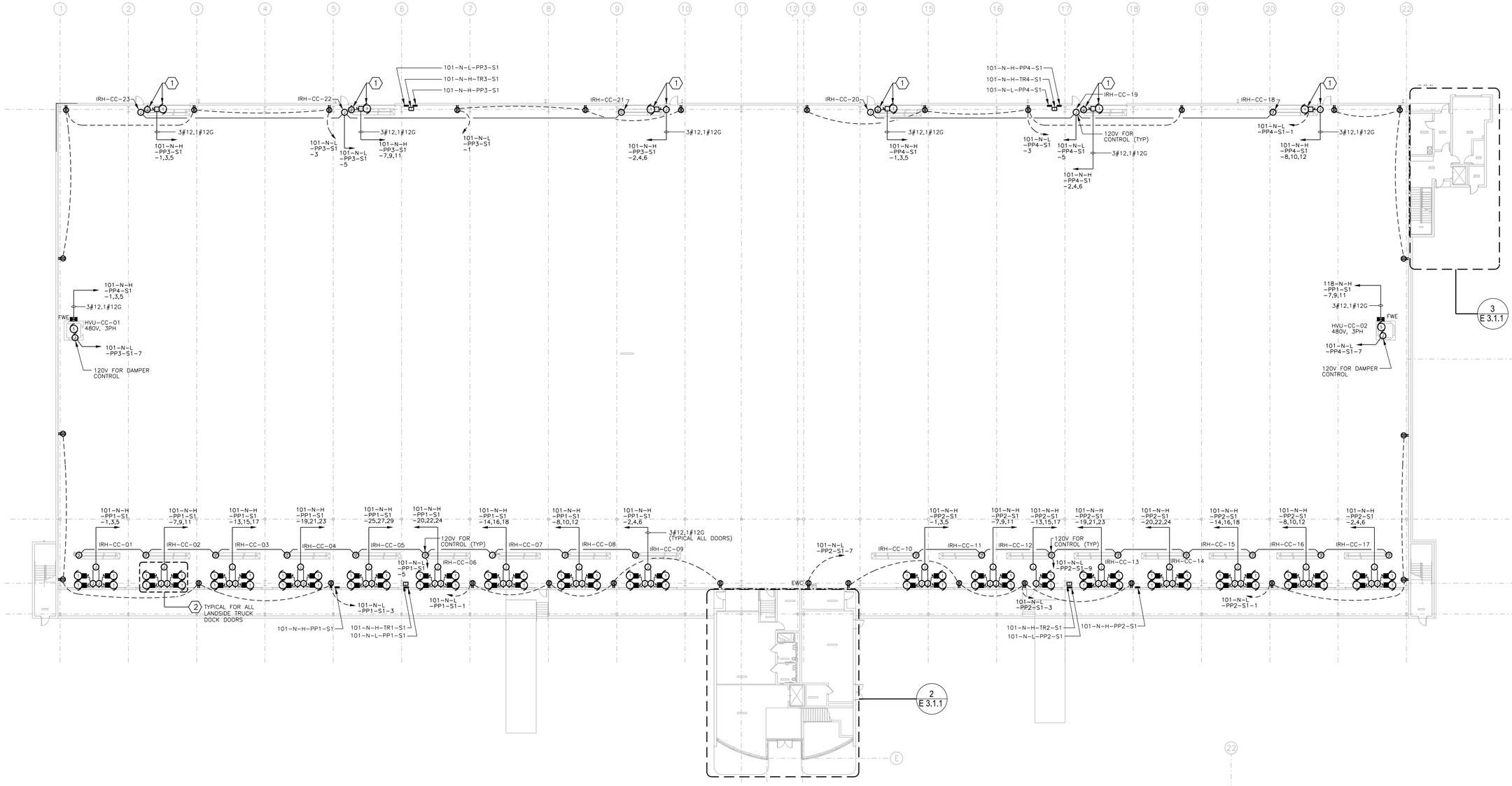
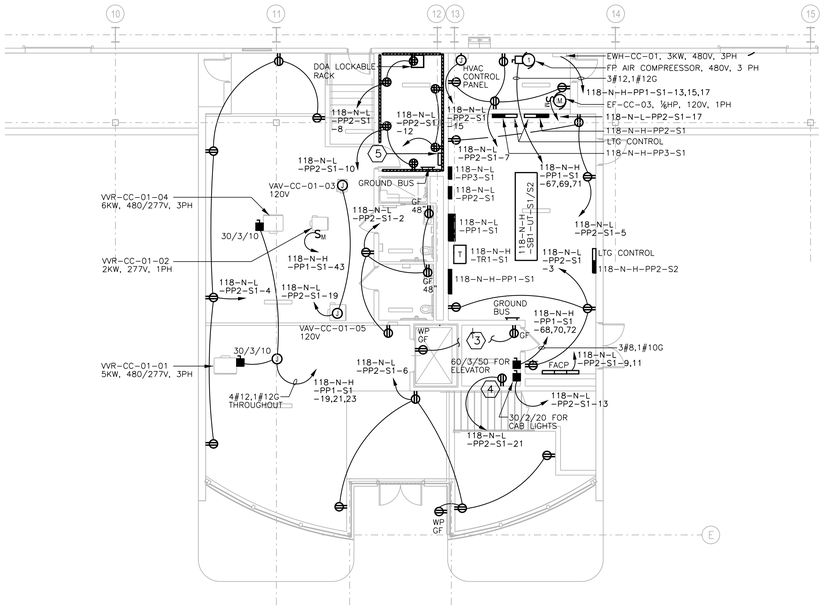


1 E 3.1.1 OPERATIONS LEVEL POWER PLAN

SCALE: 1/16"=1'-0"



2 E 3.1.1 PART PLAN - OPERATIONS LEVEL OFFICE POWER

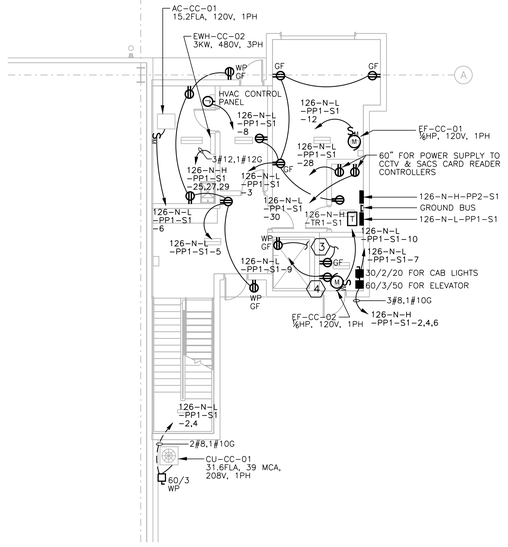
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL 120 VOLT BRANCH CIRCUITS LOCATED IN WAREHOUSE AREA 101 SHOWN ON OPERATIONS LEVEL POWER PLAN 1/E 3.1.1 SHALL BE #10 AWG MINIMUM SIZE WIRE THROUGHOUT THE BRANCH CIRCUIT.
2. ALL HVAC STARTERS AND DISCONNECT SWITCHES ARE TYPICALLY PROVIDED WITH EQUIPMENT BY DIVISION 23. COORDINATE WITH HVAC EQUIPMENT SCHEULES ON SHEET M 6.6.1 FOR REQUIREMENTS. WHERE FUSE SIZES ARE INDICATED, PROVIDE UNDER DIVISION 26.

KEYED NOTES:

1. OVERHEAD DOOR WITH PUSHBUTTON DOOR CONTROL STATION (PROVIDED WITH EQUIPMENT) MOUNTED TO WALL AT 48" AFF. WIRE AS DIRECTED BY MANUFACTURER.
2. CONNECTION TO OVERHEAD DOOR AND DOCK LEVELER EQUIPMENT. SEE CONNECTION DETAIL 1/E 9.1.1 FOR CONNECTION REQUIREMENTS.
3. TIE TO ELEVATOR MACHINE ROOM/PIT LIGHT CIRCUITS. SEE SHEET E 2.2.1 FOR CONTINUATION.
4. GFI RECEPTACLE DEDICATED FOR CONNECTION OF PIT SUMP PUMP SYSTEM.
5. LIGHTING CONTROL SYSTEM MASTER CONTROLLER.



3 E 3.1.1 PART PLAN - OPERATIONS LEVEL DOA RAMP OPS POWER

SCALE: 1/8"=1'-0"

NORTH

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AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

KEY MAP

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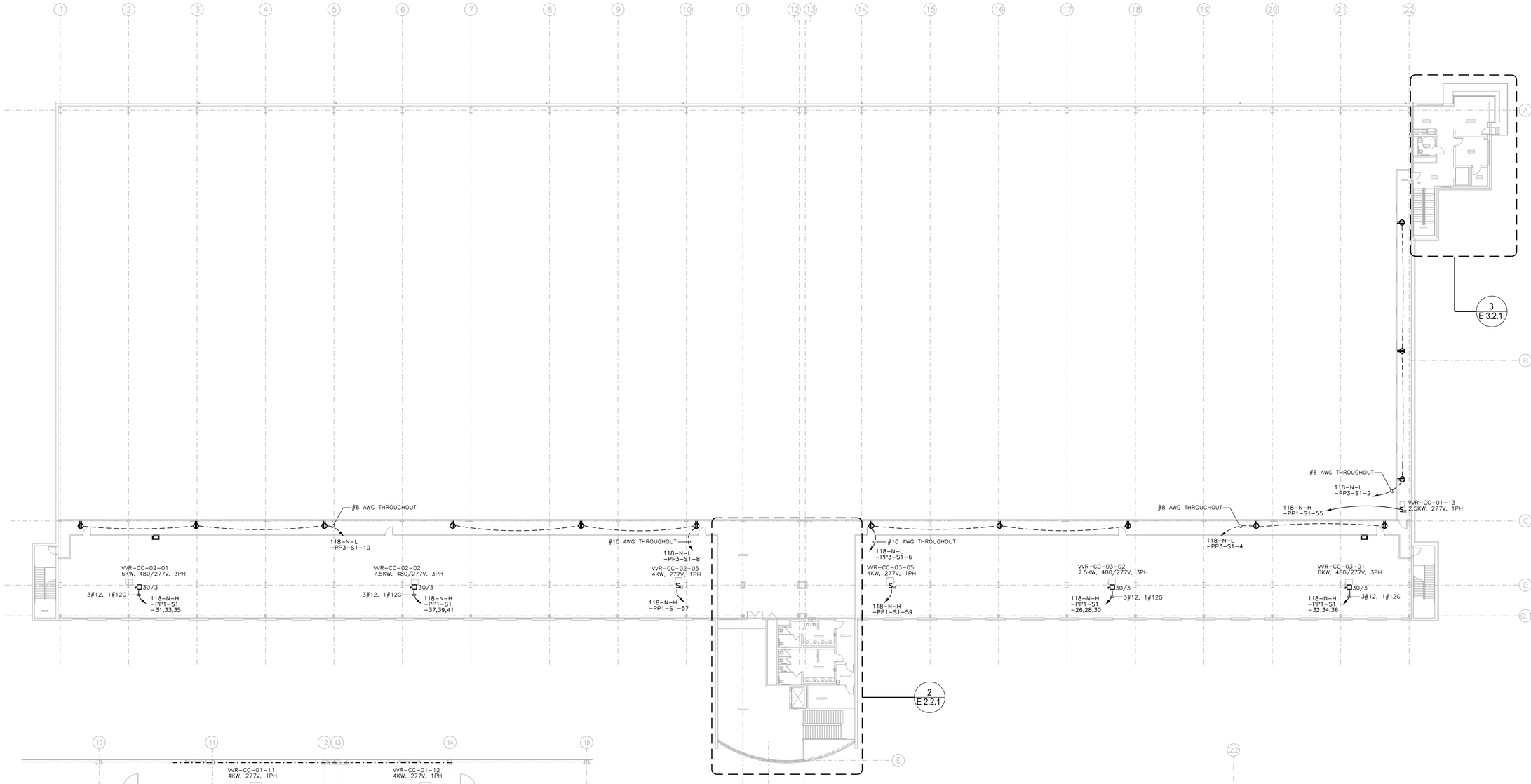
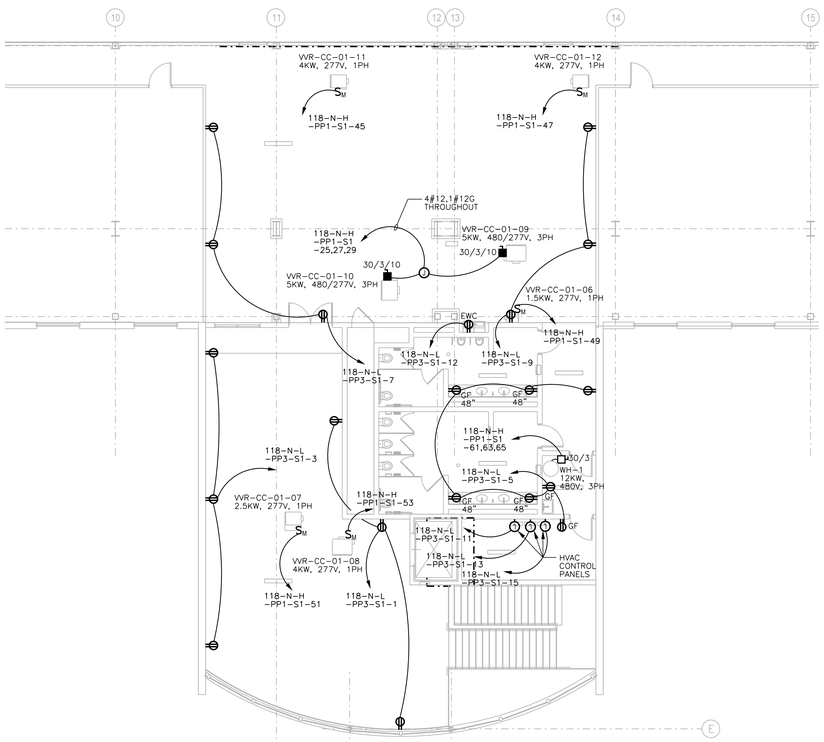


1 E 3.2.1 OFFICE LEVEL POWER PLAN

SCALE: 1/16"=1'-0"

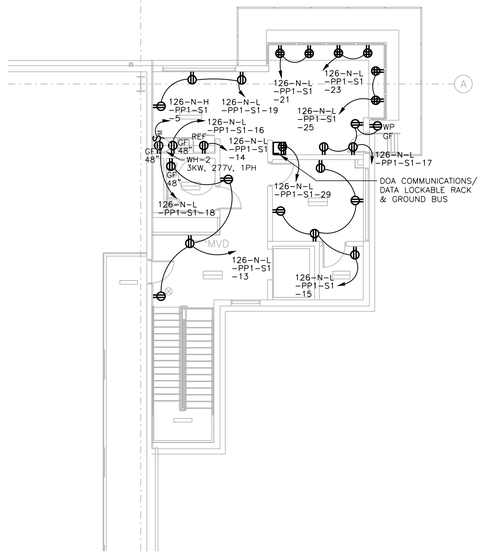


2 E 3.2.1 PART PLAN - OFFICE LEVEL OFFICE POWER

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL HVAC STARTERS AND DISCONNECT SWITCHES ARE TYPICALLY PROVIDED WITH EQUIPMENT BY DIVISION 23. COORDINATE WITH HVAC EQUIPMENT SCHEULES ON SHEET M 6.6.1 FOR REQUIREMENTS. WHERE FUSE SIZES ARE INDICATED, PROVIDE UNDER DIVISION 26.



3 E 3.2.1 PART PLAN - OFFICE LEVEL DOA RAMP OPS POWER

SCALE: 1/8"=1'-0"

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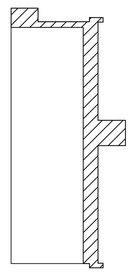
AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014



KEY MAP

NORTH

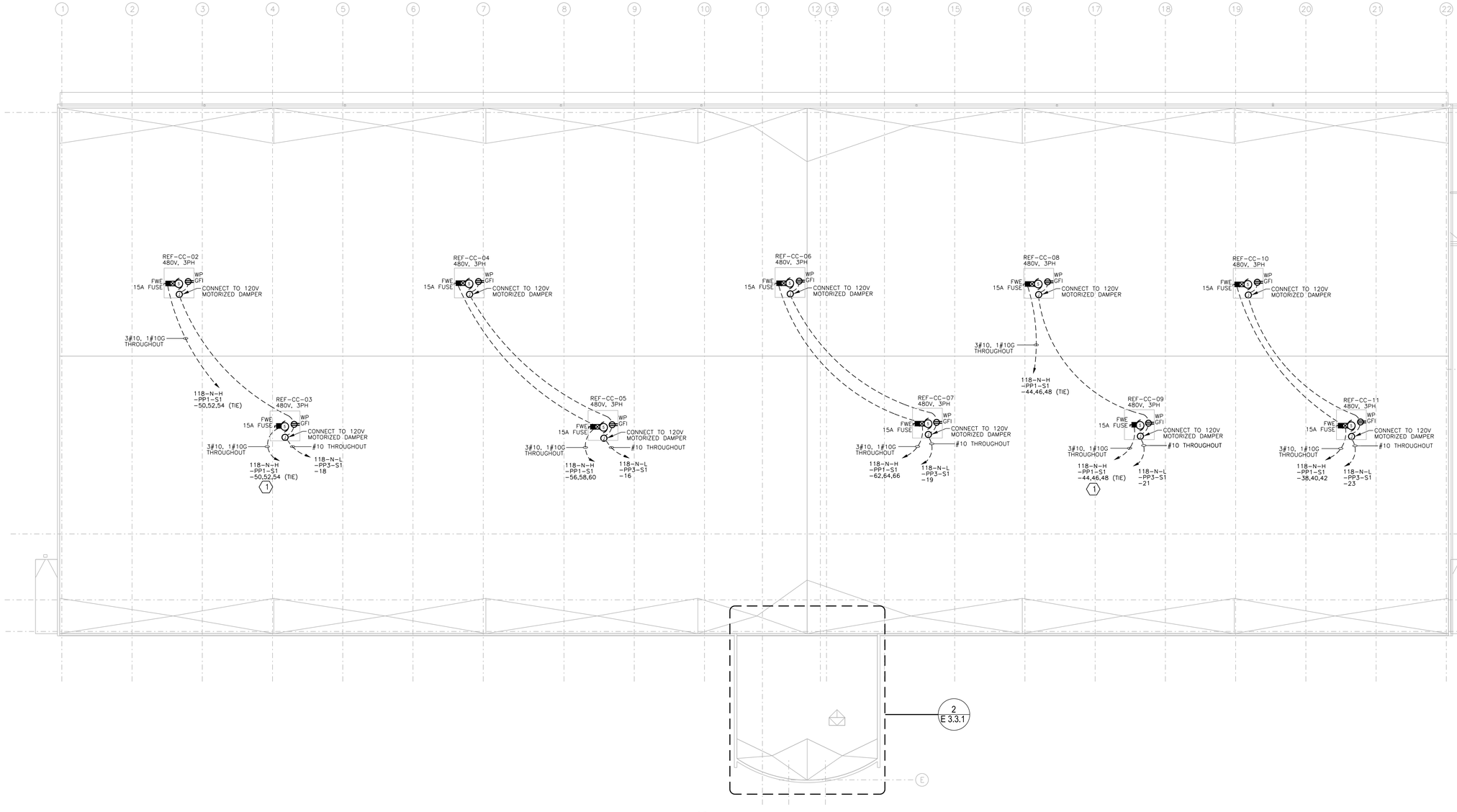
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

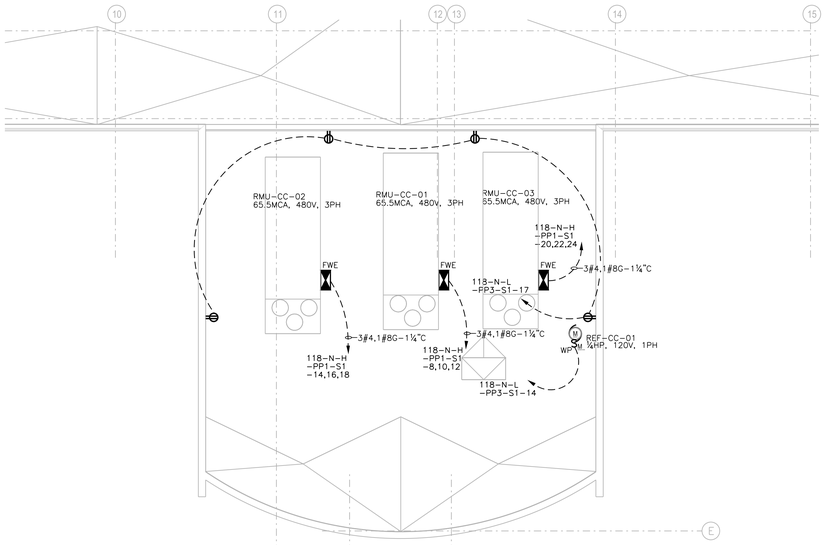
ELECTRICAL OFFICE LEVEL POWER PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
	DATE: 11/25/2014
	SCALE: AS NOTED
SEAL	SHEET NO: E 3.2.1

NOT RELEASED FOR CONSTRUCTION



1 E 3.3.1 **ROOF LEVEL POWER PLAN**
SCALE: 1/16"=1'-0"



2 E 3.3.1 **PART PLAN - ROOF LEVEL OFFICE POWER**
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL HVAC STARTERS AND DISCONNECT SWITCHES ARE TYPICALLY PROVIDED WITH EQUIPMENT BY DIVISION 23. COORDINATE WITH HVAC EQUIPMENT SCHEULES ON SHEET M 6.6.1 FOR REQUIREMENTS. WHERE FUSE SIZES ARE INDICATED, PROVIDE UNDER DIVISION 26.

KEYED NOTES:

(1) FOR FANS REF-CC-03 & 09 ONLY, ROUTE POWER CIRCUIT HOMERUNS THROUGH VFD LOCATED ABOVE CEILING OF OFFICE LEVEL CORRIDOR, AND TIE CIRCUIT TO NON-VFD FAN ON LINE SIDE OF VFD SEE MECHANICAL PLAN M 2.2.1 FOR VFD LOCATIONS.

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FAX: 404.946.2017

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44 BROAD STREET
ATLANTA, GA 30303
PHONE:404.522.3001
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STEVENS & WILKINSON, INC.
100 PEACHTREE STREET NW, SUITE 2500
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MARIETTA, GA 30066
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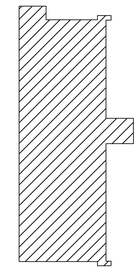
AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014



KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

ELECTRICAL
ROOF LEVEL
POWER PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
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	SCALE: AS NOTED
SEAL	SHEET NO: E 3.3.1

NORTH

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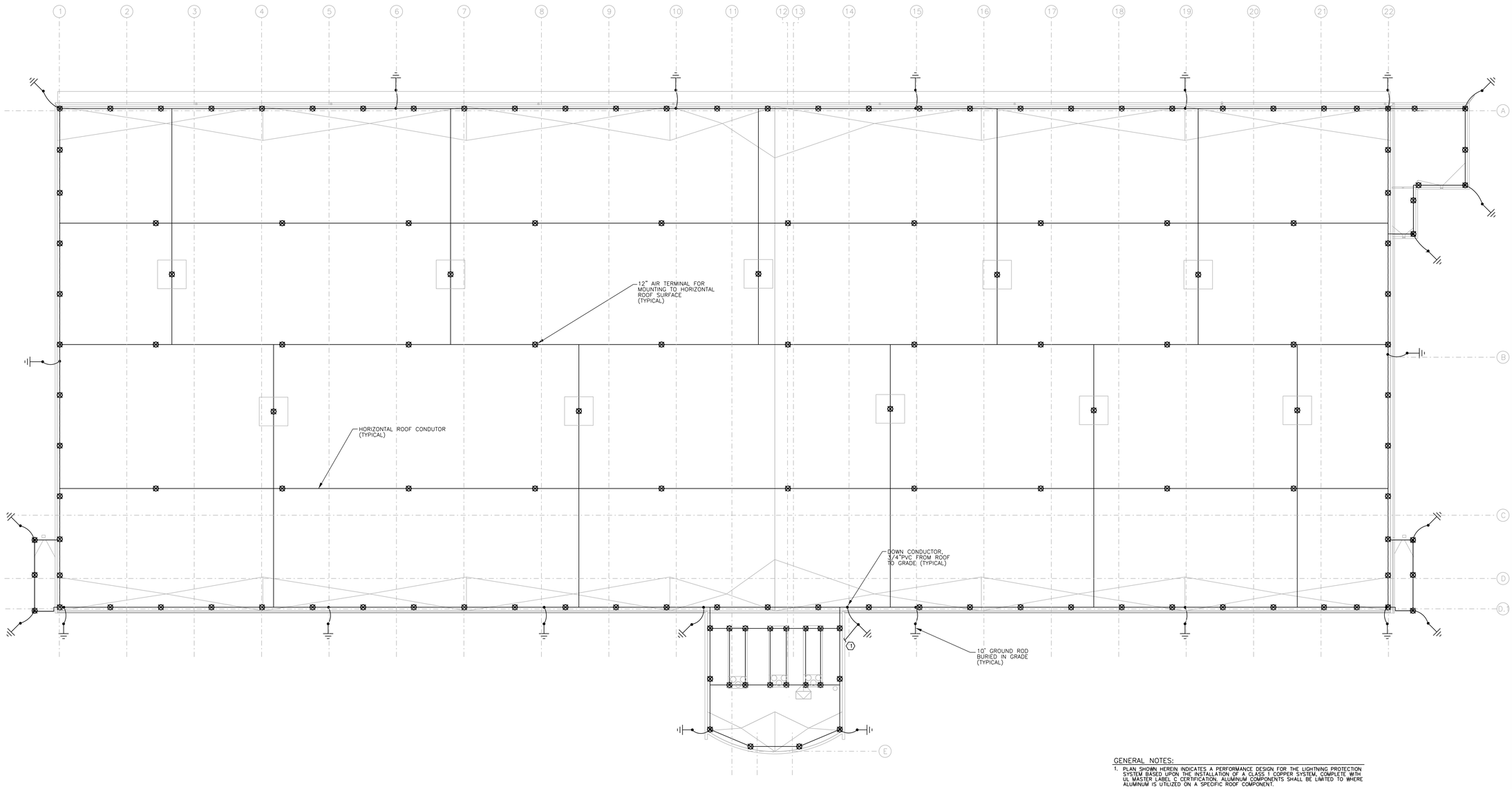

1 / E 3.3.2 **ROOF LEVEL LIGHTNING PROTECTION PLAN**

SCALE: 1/16"=1'-0"

GENERAL NOTES:

1. PLAN SHOWN HEREIN INDICATES A PERFORMANCE DESIGN FOR THE LIGHTNING PROTECTION SYSTEM BASED UPON THE INSTALLATION OF A CLASS I COPPER SYSTEM, COMPLETE WITH UL MASTER LABEL C CERTIFICATION. ALUMINUM COMPONENTS SHALL BE LIMITED TO WHERE ALUMINUM IS UTILIZED ON A SPECIFIC ROOF COMPONENT.
2. LIGHTING PROTECTION VENDOR SHALL BE RESPONSIBLE FOR SIZING AND ROUTING OF ALL ROOF CABLES AND DOWNLEADS, ALONG WITH COORDINATING AIR TERMINAL LOCATIONS REQUIRED WITH ALL ROOF APPURTENANCES WHICH MAY DIFFER FROM WHAT IS SHOWN ON THIS PLAN.
3. THE LIGHTNING PROTECTION SYSTEM SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING COMPONENTS:

   COPPER AIR TERMINALS EXTENDING 12" ABOVE ROOF SURFACES OR PARAPHETS.

   COPPER ROOF AND DOWN CONDUCTORS (WHERE ALUMINUM MAY BE REQUIRED, PROVIDE BI-METALLIC CONNECTORS TO TRANSITION TO COPPER).

   AIR TERMINAL AND CABLE SUPPORTS, COORDINATED WITH ROOF MATERIAL AND SYSTEM.

   10'-0" LONG GROUND RODS, BURIED 2'-6" MINIMUM TO TOP.

KEYED NOTES:

(1) TIE TO SERVICE ENTRANCE GROUND SYSTEM AT MAIN SWITCHBOARD.

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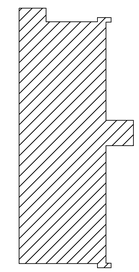

KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

ELECTRICAL
ROOF LEVEL
LIGHTNING PROTECTION PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
	DATE: 11/25/2014
	SCALE: 1/16"=1'-0"
SEAL	SHEET NO: E 3.3.2

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

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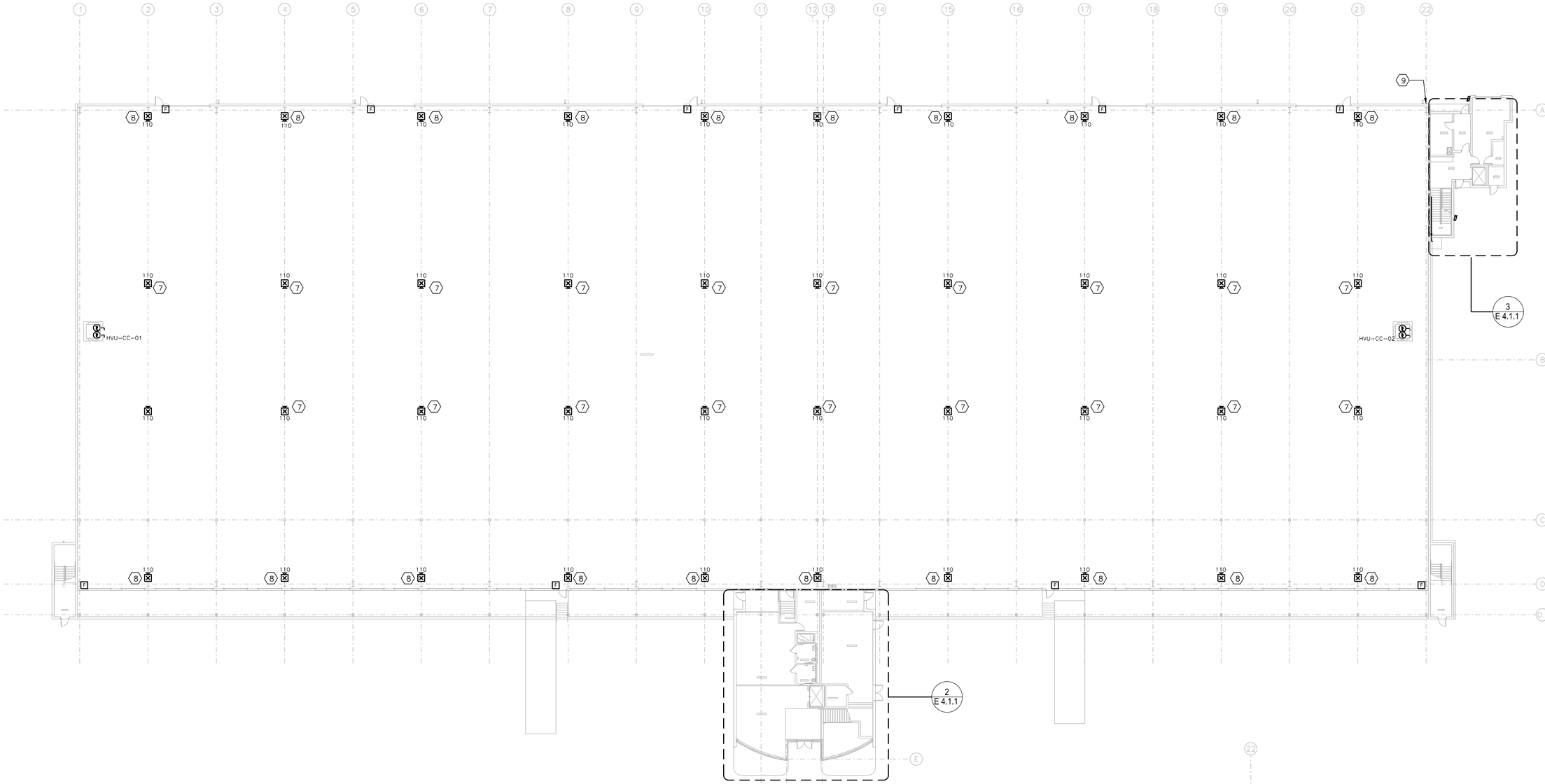
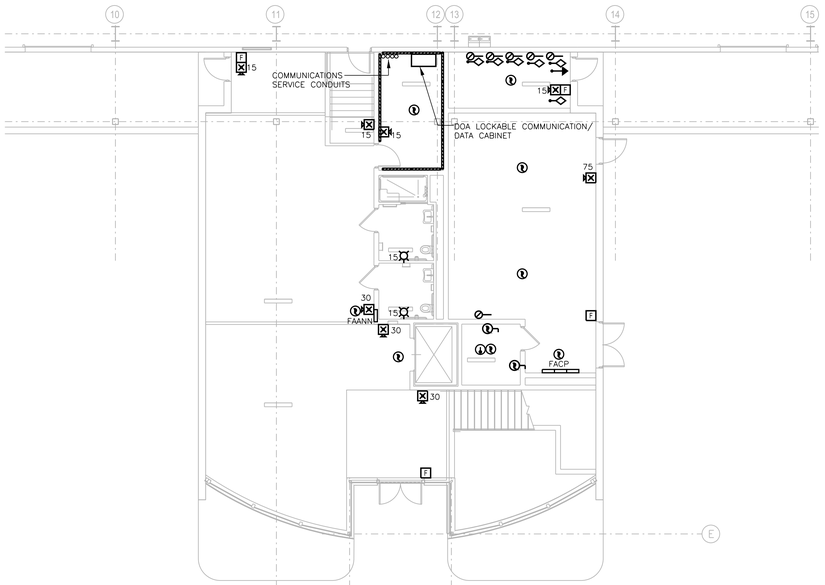


1 E 4.1.1 OPERATIONS LEVEL SYSTEMS PLAN

SCALE: 1/16"=1'-0"



2 E 4.1.1 PART PLAN - OPERATIONS LEVEL OFFICE SYSTEMS

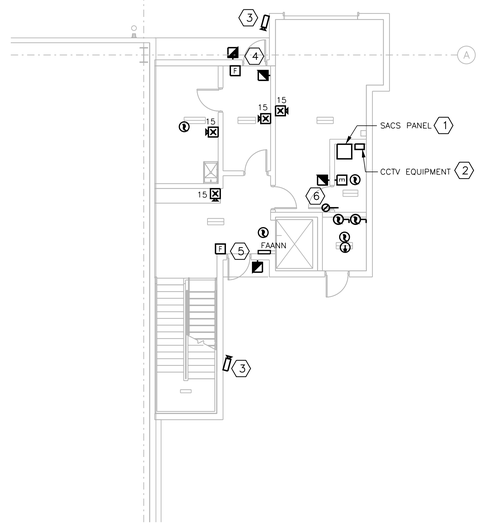
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. COORDINATE ALL SECURITY SYSTEM REQUIREMENTS WITH DOA SECURITY AND THE AIRPORT'S VENDOR MC DEAN, AS INDICATED IN GENERAL NOTE 21, SHEET E 0.1.1.
2. COORDINATE ALL COMMUNICATIONS/DATA SYSTEM REQUIREMENTS WITH DOA IT, AS INDICATED IN GENERAL NOTE 22, SHEET E 0.1.1.

KEYED NOTES:

1. SACS PANEL SHALL CONSIST OF A LENEL 3000 FIELD PANEL, WITH ASSOCIATED NETWORLK EQUIPMENT, POWER SUPPLIES, RACK AND RACK TYPE UPS. PROVIDE A FIBER OPTIC CABLE CONNECTION IN 1"C TO DATA EQUIPMENT IN DOA IT LOCKABLE RACK IN DOA OPERATIONS ROOM 225 ABOVE.
2. CCTV HEAD END EQUIPMENT MOUNTED TO WALL WITH FIBER OPTIC CABLS CONNECTION IN 1"C TO DATA EQUIPMENT IN DOA IT LOCKABLE RACK IN OPERATIONS ROOM 225 ABOVE.
3. FIXED CAMERA MOUNTED TO WALL IN WEATHERPROOF ENCLOSURE, MOUNTED 10'-0" AFG.
4. EXIT DOOR WITH CARD READERS BOTH SIDES. SEE CARD READER HARDWARE DOOR DETAIL HW29C, 8/E 9.1.1 FOR CONNECTION REQUIREMENTS.
5. EXIT DOOR WITH CARD READER ON PUBLIC ENTRY SIDE, PANIC HARDWARE ON EXIT. SEE CARD READER HARDWARE DOOR DETAIL HW29B, 9/E 9.1.1 FOR CONNECTION REQUIREMENTS.
6. EXIT DOOR WITH CARD READER AND KEY SWITCH ON ENTRY SIDE, PUSHBUTTON TO EXIT. SEE CARD READER HARDWARE DOOR DETAIL HW87, 10/E 9.1.1 FOR CONNECTION REQUIREMENTS.
7. MOUNT DEVICE TO UNDERSIDE OF TRUSS, 28'-0" AFF.
8. MOUNT DEVICE TO WALL OR COLUMN AS INDICATED, 80" AFF TO BOTTOM
9. LOCATION OF MESH AP POLE, MOUNTED TO BUILDING AT ROOF LEVEL. SEE COMMUNICATIONS RISER DIAGRAM 1/E 7.1.2 FOR COMPONENT REQUIREMENTS AND MOUNTING DETAILS.



3 E 4.1.1 PART PLAN - OPERATIONS LEVEL DOA RAMP OPS SYSTEMS

SCALE: 1/8"=1'-0"

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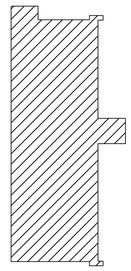

KEY MAP

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ELECTRICAL OPERATIONS LEVEL SYSTEMS PLAN

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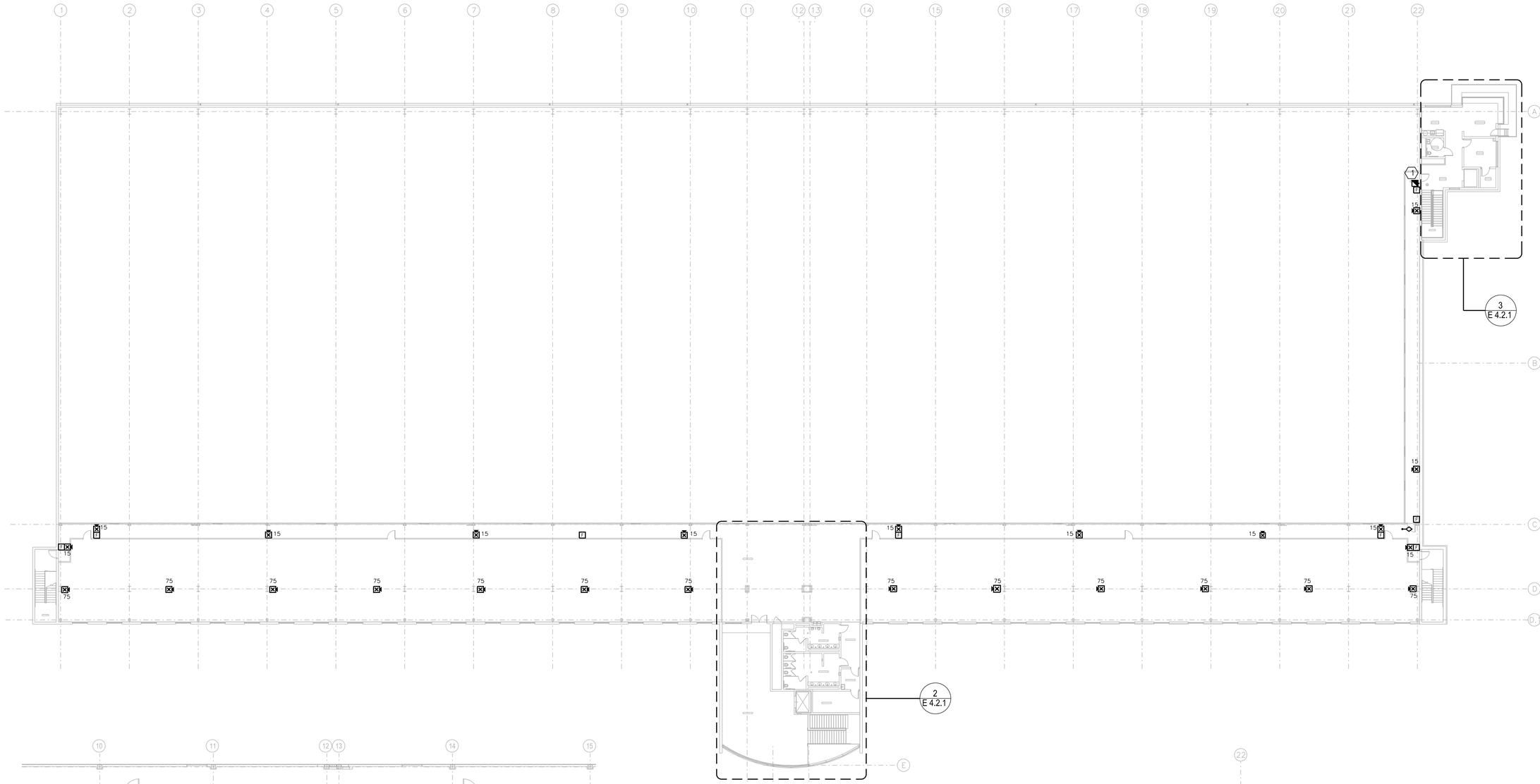
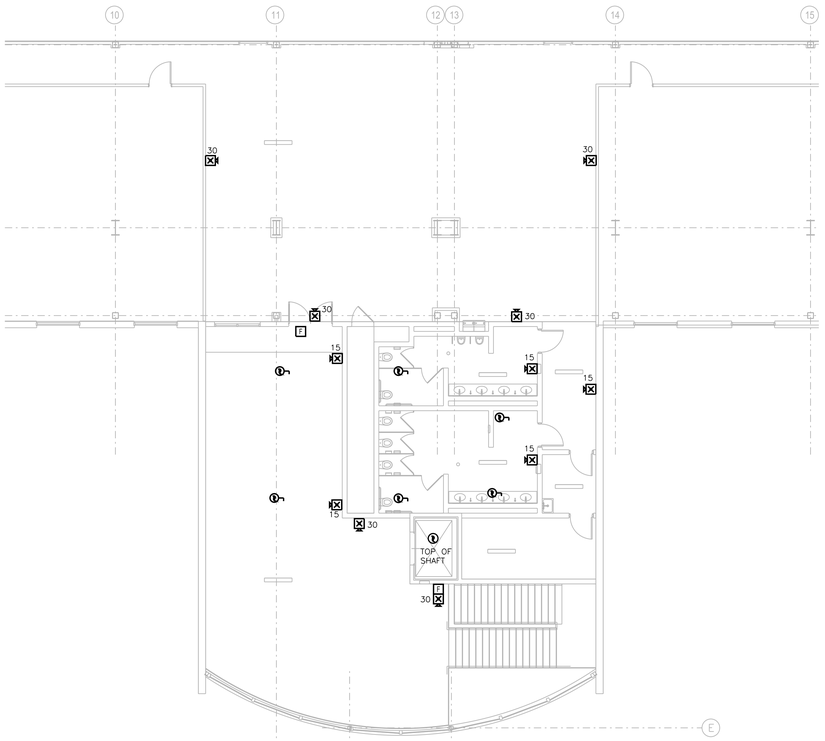


1 E 4.2.1 **OFFICE LEVEL SYSTEMS PLAN**
SCALE: 1/16"=1'-0"



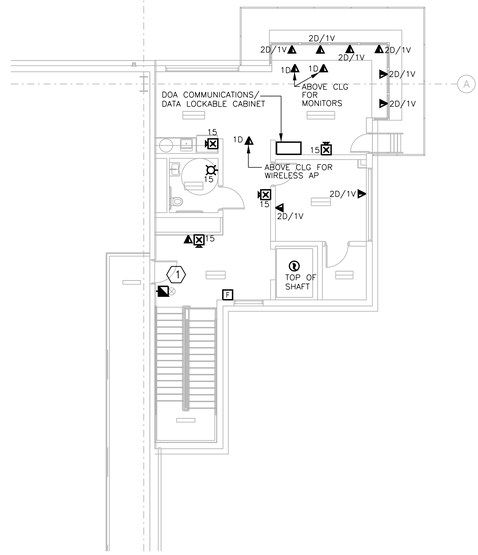
2 E 4.2.1 **PART PLAN - OFFICE LEVEL OFFICE SYSTEMS**
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. COORDINATE ALL SECURITY SYSTEM REQUIREMENTS WITH DOA SECURITY AND THE AIRPORT'S VENDOR MC DEAN, AS INDICATED IN GENERAL NOTE 21, SHEET E 0.1.1.
2. COORDINATE ALL COMMUNICATIONS/DATA SYSTEM REQUIREMENTS WITH DOA IT, AS INDICATED IN GENERAL NOTE 22, SHEET E 0.1.1.

KEYED NOTES:

(1) EXIT DOOR WITH CARD READERS BOTH SIDES. SEE CARD READER HARDWARE DOOR DETAIL HW29C, 8/E 9.1.1 FOR CONNECTION REQUIREMENTS.



3 E 4.2.1 **PART PLAN - OFFICE LEVEL DOA RAMP OPS SYSTEMS**
SCALE: 1/8"=1'-0"

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KEY MAP

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ELECTRICAL OFFICE LEVEL SYSTEMS PLAN

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SEAL

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT RELEASED FOR CONSTRUCTION

MAIN SWITCHBOARD 118-N-H-SB1-UT-S1/S2 SUMMARY SCHEDULE

	VOLTAGE: 480Y/277V	PHASE: 3	WIRES: 4	AMPERES INTERRUPTING RATING: 50,000

NO.	SERVING	CONN. KVA	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	REMARKS
1	SWBD 118-N-H-SB1-UT-S1 MAIN BREAKER	706.25	2000	2000	3	BUILDING LOADS
2	SWBD 118-N-H-SB1-UT-S2 MAIN BREAKER	7.72	250	225	3	ROADWAY / PARKING LOT LOADS

TOTAL CONNECTED kVA: 713.97 TOTAL DEMAND OR DESIGN kVA: 1002.57
DEMAND OR DESIGN kVA: 657.57 DEMAND OR DESIGN AMPERES: 1205.91
FUTURE kVA: 345.00

MAIN SWITCHBOARD 118-N-H-SB1-UT-S1 SCHEDULE

MAINS: 2000/3 MCB	VOLTAGE: 480Y/277V	PHASE: 3	WIRES: 4	AMPERES INTERRUPTING RATING: 50,000

NO.	SERVING	CONN. KVA	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	REMARKS
1	PNLBD 118-N-H-PP1-S1	343.53	600	600	3	HVAC
2	PNLBD 118-N-H-PP2-S1	73.18	225	225	3	INTERIOR LIGHTS
3	PNLBD 118-N-H-PP3-S1	62.68	225	225	3	EXTERIOR LIGHTS
4	XFMR 118-N-H-TR1-S1	27.78	225	175	3	DISTR. PANELBOARD 118-N-L-PP1-S1
5	PNLBD 101-N-H-PP1-S1	65.55	225	225	3	WAREHOUSE
6	PNLBD 101-N-H-PP2-S1	55.57	225	225	3	WAREHOUSE
7	PNLBD 101-N-H-PP3-S1	7.58	225	225	3	WAREHOUSE
8	PNLBD 101-N-H-PP4-S1	7.58	225	225	3	WAREHOUSE
9	PNLBD 126-N-H-PP1-S1	62.80	225	225	3	METERED PANELBOARD SERVING DOA RAMP OPS
10	SPACE					
11	SPACE					
12	SPACE					
13	SPACE					
14	SPACE					

TOTAL CONNECTED kVA: 706.25 TOTAL DEMAND OR DESIGN kVA: 987.92
DEMAND OR DESIGN kVA: 647.92 DEMAND OR DESIGN AMPERES: 1188.28
FUTURE kVA: 340.00

MAIN SWITCHBOARD 118-N-H-SB1-UT-S2 SCHEDULE

MAINS: 225/3 MCB	VOLTAGE: 480Y/277V	PHASE: 3	WIRES: 4	AMPERES INTERRUPTING RATING: 50,000

NO.	SERVING	CONN. KVA	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	REMARKS
	PNLBD 118-N-H-PP1-S2	7.72	-	-	3	ROADWAY / PARKING LOT LIGHTS

TOTAL CONNECTED kVA: 7.72 TOTAL DEMAND OR DESIGN kVA: 19.66
DEMAND OR DESIGN kVA: 9.66 DEMAND OR DESIGN AMPERES: 23.64
FUTURE kVA: 10.00

DISTRIBUTION PANELBOARD 118-N-L-PP1-S1 SCHEDULE

MAINS: 400/3 MCB	VOLTAGE: 208Y/120V	PHASE: 3	WIRES: 4	AMPERES INTERRUPTING RATING: 10,000

NO.	SERVING	CONN. KVA	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	REMARKS
1	PNLBD 118-N-L-PP2-S1	14.00	225	225	3	OPERATIONS LEVEL POWER
2	PNLBD 118-N-L-PP3-S1	13.78	225	225	3	OFFICE LEVEL POWER
3	SPACE				3	
4	SPACE				3	
5	SPACE				3	
6	SPACE				3	
7	SPACE				3	
8	SPACE				3	
9	SPACE				3	

TOTAL CONNECTED kVA: 27.78 TOTAL DEMAND OR DESIGN kVA: 112.50
DEMAND OR DESIGN kVA: 27.30 DEMAND OR DESIGN AMPERES: 312.27
FUTURE kVA: 85.20

PANELBOARD: 118-N-H-PP1-S1 LOCATION: ELEC ROOM 118

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 600 A MLO
CABINET: NEMA 1
☐ FEED-THRU LUGS
☑ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
2. ALL ENCLOSURE HEIGHTS SHALL BE EQUAL.
3. (ST) = SHUNT TRIP CIRCUIT BREAKER
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	3	HVU-CC-01	2.10	2.10			0.00	SPACE	3	-	2
3	-	-	-	2.10		2.10		0.00	-	-	-	4
5	-	-	-	2.10			2.10	0.00	-	-	-	6
7	20	3	HVU-CC-02	2.10	18.19			16.09	RMU-CC-01	3	80	8
9	-	-	-	2.10		18.19		16.09	-	-	-	10
11	-	-	-	2.10			18.19	16.09	-	-	-	12
13	20	3	EWH-CC-01	1.00	17.09			16.09	RMU-CC-02	3	80	14
15	-	-	-	1.00		17.09		16.09	-	-	-	16
17	-	-	-	1.00			17.09	16.09	-	-	-	18
19	20	3	VVR-CC-01-01/VVR-CC-01-04	3.67	19.76			16.09	RMU-CC-03	3	80	20
21	-	-	-	3.67		19.76		16.09	-	-	-	22
23	-	-	-	3.67			19.76	16.09	-	-	-	24
25	20	3	VVR-CC-01--09/VVR-CC-01-10	3.33	5.83			2.50	VVR-CC-03-02	3	20	26
27	-	-	-	3.33		5.83		2.50	-	-	-	28
29	-	-	-	3.33			5.83	2.50	-	-	-	30
31	20	3	VVR-CC-02-01	2.00	4.50			2.50	VVR-CC-03-01	3	20	32
33	-	-	-	2.00		4.50		2.50	-	-	-	34
35	-	-	-	2.00			4.50	2.50	-	-	-	36
37	20	3	VVR-CC-02-02	2.50	6.71			4.21	REF-CC-10/REF-CC-11	3	30	38
39	-	-	-	2.50		6.71		4.21	-	-	-	40
41	-	-	-	2.50			6.71	4.21	-	-	-	42

☑ MAIN LUGS ☑ SUB-FEED LUGS

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
43	20	1	VVR-CC-01-02	2.00	6.21			4.21	REF-CC-08/REF-CC-09	3	20	44
45	20	1	VVR-CC-01-11	4.00		8.21		4.21	-	-	-	46
47	20	1	VVR-CC-01-12	4.00			8.21	4.21	-	-	-	48
49	20	1	VVR-CC-01-06	1.50	5.71			4.21	REF-CC-02/REF-CC-03	3	30	50
51	20	1	VVR-CC-01-07	2.50		6.71		4.21	-	-	-	52
53	20	1	VVR-CC-01-08	4.00			8.21	4.21	-	-	-	54
55	20	1	VVR-CC-01-13	2.50	6.71			4.21	REF-CC-04/REF-CC-05	3	30	56
57	20	1	VVR-CC-02-05	4.00		8.21		4.21	-	-	-	58
59	20	1	VVR-CC-03-05	4.00			8.21	4.21	-	-	-	60
61	20	3	WH-1	4.00	8.21			4.21	REF-CC-06/REF-CC-07	3	30	62
63	-	-	-	4.00		8.21		4.21	-	-	-	64
65	-	-	-	4.00			8.21	4.21	-	-	-	66
67	20	3	FP AIR COMPRESSOR	0.58	9.99			9.41	ELEVATOR	3	60 (ST)	68
69	-	-	-	0.58		9.99		9.41	-	-	-	70
71	-	-	-	0.58			9.99	9.41	-	-	-	72
73		1	SPACE	0.00	0.00			0.00	SHUNT TRIP COIL	-	-	74
75		1	SPACE	0.00		0.00		0.00	SPACE	1		76
77		1	SPACE	0.00			0.00	0.00	SPACE	1		78
79		1	SPACE	0.00	0.00			0.00	SPACE	1		80
81		1	SPACE	0.00		0.00		0.00	SPACE	1		82
83		1	SPACE	0.00			0.00	0.00	SPACE	1		84

TOTAL CONNECTED PHASE KVA:	111.01	115.51	117.01
TOTAL CONNECTED KVA:	343.53		
DEMAND OR DESIGN KVA:	267.14		
FUTURE KVA:	75.00		
TOTAL DEMAND OR DESIGN KVA:	342.14		
DEMAND OR DESIGN AMPERES:	411.52		

AMPERES INTERRUPTING RATING: 35,000

PANELBOARD: 118-N-L-PP2-S1 LOCATION: ELEC ROOM 118

TYPE: LIGHTING & APPLIANCE
SERVICE: 208Y/120V, 3PH, 4W
MAINS: 225 A MLO
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	ELEV MACH ROOM LIGHTS/RECEPTS	0.24	0.60			0.36	RECEPTACLES	1	20	2
3	20	1	RECEPTACLES	0.54		1.44		0.90	RECEPTACLES	1	20	4
5	20	1	RECEPTACLES	0.54			1.44	0.90	RECEPTACLES	1	20	6
7	20	1	RECEPTACLES	0.72	1.44			0.72	DATA ROOM RECEPTACLES	1	20	8
9	20	1	FACP	1.20		1.92		0.72	DATA ROOM RECEPTACLES	1	20	10
11	20	1	FACP	1.20			1.92	0.72	DATA ROOM RECEPTACLES	1	20	12
13	20	1	ELEVATOR CAB LIGHTS	1.00	2.00			1.00	LIGHTING CONTROL SYSTEM	1	20	14
15	20	1	HVAC CONTROL PANEL	1.20		1.20		0.00	SPARE	1	20	16
17	20	1	EF-CC-03	0.50			0.50	0.00	SPARE	1	20	18
19	20	1	VAV CONTROL POWER	0.40	0.40			0.00	SPARE	1	20	20
21	20	1	ELEVATOR PIT SUMP PUMP	0.90		0.90		0.00	SPARE	1	20	22
23	20	1	ELEV PIT ROOM LIGHTS/RECEPTS	0.24			0.24	0.00	SPARE	1	20	24
25	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	26
27	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	28
29	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

TOTAL CONNECTED PHASE KVA:	4.44	5.46	4.10
TOTAL CONNECTED KVA:	14.00		
DEMAND OR DESIGN KVA:	14.28		
FUTURE KVA:	40.72		
TOTAL DEMAND OR DESIGN KVA:	55.00		
DEMAND OR DESIGN AMPERES:	152.66		

AMPERES INTERRUPTING RATING: 10,000

PANELBOARD: 118-N-L-PP3-S1 LOCATION: ELEC ROOM 118

TYPE: LIGHTING & APPLIANCE
SERVICE: 208Y/120V, 3PH, 4W
MAINS: 225 A MLO
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	RECEPTACLES	0.54	1.08			0.54	RECEPTACLES	1	20	2
3	20	1	RECEPTACLES	0.54		0.90		0.36	RECEPTACLES	1	20	4
5	20	1	RECEPTACLES	1.08			1.62	0.54	RECEPTACLES	1	20	6
7	20	1	RECEPTACLES	0.54	1.08			0.54	RECEPTACLES	1	20	8
9	20	1	RECEPTACLES	0.54		1.08		0.54	RECEPTACLES	1	20	10
11	20	1	HVAC CONTROL PANEL	1.20			1.90	0.70	EWC	1	20	12
13	20	1	HVAC CONTROL PANEL	1.20	1.90			0.70	REF-CC-01	1	20	14
15	20	1	HVAC CONTROL PANEL	1.20		1.66		0.46	REF-CC RECEPTS / DAMPERS	1	20	16
17	20	1	ROOF RECEPTACLES	0.72			1.18	0.46	REF-CC RECEPTS / DAMPERS	1	20	18
19	20	1	REF-CC RECEPTS / DAMPERS	0.46	0.46			0.00	SPARE	1	20	20
21	20	1	REF-CC RECEPTS / DAMPERS	0.46		0.46		0.00	SPARE	1	20	22
23	20	1	REF-CC RECEPTS / DAMPERS	0.46			0.46	0.00	SPARE	1	20	24
25	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	26
27	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	28
29	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

TOTAL CONNECTED PHASE KVA:	4.52	4.10	5.16
TOTAL CONNECTED KVA:	13.78		
DEMAND OR DESIGN KVA:	13.78		
FUTURE KVA:	41.22		
TOTAL DEMAND OR DESIGN KVA:	55.00		
DEMAND OR DESIGN AMPERES:	152.66		

AMPERES INTERRUPTING RATING: 10,000

PANELBOARD: 118-N-H-PP1-S2 LOCATION: ELEC ROOM 118

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 225 A MLO
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	3	PARKING LOT LIGHTS	0.27	1.93			1.66	PARKING LOT LIGHTS	3	20	2
3	-	-	-	0.42		2.08		1.66	-	-	-	4
5	-	-	-	0.42			2.08	1.66	-	-	-	6
7	20	3	SPARE	0.00	0.40			0.40	PARKING LOT LIGHTS	3	20	8
9	-	-	-	0.00		0.68		0.68	-	-	-	10
11	-	-	-	0.00			0.55	0.55	-	-	-	12
13	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	14
15	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	16
17	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	18
19		1	SPACE	0.00	0.00			0.00	SPACE	1		20
21		1	SPACE	0.00		0.00		0.00	SPACE	1		22
23		1	SPACE	0.00			0.00	0.00	SPACE	1		24
25		1	SPACE	0.00	0.00			0.00	SPACE	1		26
27		1	SPACE	0.00		0.00		0.00	SPACE	1		28
29		1	SPACE	0.00			0.00	0.00	SPACE	1		30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

TOTAL CONNECTED PHASE KVA:	2.33	2.76	2.63
TOTAL CONNECTED KVA:	7.72		
DEMAND OR DESIGN KVA:	9.66		
FUTURE KVA:	10.00		
TOTAL DEMAND OR DESIGN KVA:	19.66		
DEMAND OR DESIGN AMPERES:	23.64		

AMPERES INTERRUPTING RATING: 35,000

PANELBOARD: 118-N-H-PP2-S1 LOCATION: ELEC ROOM 118

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 225 A MLO
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51	5.02			2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	2
3	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51		5.02		2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	4
5	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51			5.02	2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	6
7	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51	5.02			2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	8
9	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51		5.02		2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	10
11	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51			5.02	2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	12
13	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51	5.02			2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	14
15	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51		5.02		2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	16
17	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51			5.02	2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	18
19	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51	5.02			2.51	WAREHOUSE HIGHBAY LIGHTS	1	20	20
21	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51		4.56		2.05	WAREHOUSE LIGHTS UNDER MEZZ	1	20	22
23	20	1	WAREHOUSE HIGHBAY LIGHTS	2.51			4.30	1.79	WAREHOUSE LIGHTS UNDER MEZZ	1	20	24
25	20	1	WAREHOUSE LIGHTS UNDER MEZZ	1.92	2.79			0.87	LOBBY AREA LIGHTS	1	20	26
27	20	1	WAREHOUSE LIGHTS UNDER MEZZ	1.66		2.96		1.30	LOBBY AREA LIGHTS	1	20	28
29	20	1	OFFICE LEVEL CORRIDOR LIGHTS	1.41			1.79	0.38	OFFICE LEVEL SHELL LIGHTS	1	20	30
31	20	1	OFFICE LEVEL SHELL LIGHTS	0.45	0.77			0.32	OFFICE LEVEL SHELL LIGHTS	1	20	32
33	20	1	OFFICE LEVEL SHELL LIGHTS	0.38		2.30		1.92	OFFICE LEVEL CORRIDOR LIGHTS	1	20	34
35	20	1	SPARE	0.00			2.18	2.18	OFFICE LEVEL LIGHTS	1	20	36
37	20	1	SPARE	0.00	1.33			1.33	OFFICE LEVEL LIGHTS	1	20	38
39	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	40
41	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	42
43		1	SPACE	0.00	0.00			0.00	SPACE	1		44
45		1	SPACE	0.00		0.00		0.00	SPACE	1		46
47		1	SPACE	0.00			0.00	0.00	SPACE	1		48
49		1	SPACE	0.00	0.00			0.00	SPACE	1		50
51		1	SPACE	0.00		0.00		0.00	SPACE	1		52
53		1	SPACE	0.00			0.00	0.00	SPACE	1		54

TOTAL CONNECTED PHASE KVA:	24.97	24.88	23.33
TOTAL CONNECTED KVA:	73.18		
DEMAND OR DESIGN KVA:	91.48		
FUTURE KVA:	20.00		
TOTAL DEMAND OR DESIGN KVA:	111.48		
DEMAND OR DESIGN AMPERES:	134.08		

AMPERES INTERRUPTING RATING: 35,000

PANELBOARD: 118-N-H-PP3-S1 LOCATION: ELEC ROOM 118

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 225 A MLO
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	APRON FLOODLIGHTS	2.20	6.60			4.40	APRON FLOODLIGHTS	1	20	2
3	20	1	TRUCK DOCK CANOPY LIGHTS	1.58		5.98		4.40	APRON FLOODLIGHTS	1	30	4
5	20	1	TRUCK DOCK CANOPY LIGHTS	1.58			5.98	4.40	APRON FLOODLIGHTS	1	30	6
7	20	1	BLDG MTD FLOODLIGHTS	0.47	4.87			4.40	APRON FLOODLIGHTS	1	30	8
9	20	1	BLDG MTD FLOODLIGHTS	0.56		4.96		4.40	APRON FLOODLIGHTS	1	30	10
11	20	1	BLDG MTD FLOODLIGHTS	1.88			6.28	4.40	APRON FLOODLIGHTS	1	30	12
13	20	1	BLDG MTD FLOODLIGHTS	1.61	6.01			4.40	APRON FLOODLIGHTS	1	30	14
15	20	1	SPARE	0.00		4.40		4.40	APRON FLOODLIGHTS	1	30	16
17	20	1	SPARE	0.00			4.40	4.40	APRON FLOODLIGHTS	1	30	18
19	20	1	SPARE	0.00	4.40			4.40	APRON FLOODLIGHTS	1	30	20
21	20	1	SPARE	0.00		4.40		4.40	APRON FLOODLIGHTS	1	30	22
23	20	1	SPARE	0.00			4.40	4.40	APRON FLOODLIGHTS	1	30	24
25	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	26
27	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	28
29	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

TOTAL CONNECTED PHASE KVA:	21.88	19.74	21.06
TOTAL CONNECTED KVA:	62.68		
DEMAND OR DESIGN KVA:	78.35		
FUTURE KVA:	40.00		
TOTAL DEMAND OR DESIGN KVA:	118.35		
DEMAND OR DESIGN AMPERES:	142.35		

AMPERES INTERRUPTING RATING: 35,000

PANELBOARD: 126-N-H-PP1-S1 LOCATION: RAMP OPS ELEC RM 126

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 225/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☑ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
2. (ST) = SHUNT TRIP CIRCUIT BREAKER
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	OPERATIONS LEVEL LIGHTS	0.52	9.93			9.41	ELEVATOR	3	60 (ST)	2
3	20	1	OFFICE LEVEL LIGHTS	4.13		13.54		9.41	-	-	-	4
5	20	1	WH-2	0.00			9.41	9.41	-	-	-	6
7	20	1	SPARE	0.00	0.00			0.00	SHUNT TRIP COIL	-	-	8
9	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	10
11	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	12
13	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	14
15	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	16
17	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	18
19		1	SPACE	0.00	0.00			0.00	SPACE	1		20
21		1	SPACE	0.00		0.00		0.00	SPACE	1		22
23		1	SPACE	0.00			0.00	0.00	SPACE	1		24
25	20	3	EWH-CC-02	1.00	1.00			0.00	SPACE	1		26
27	-	-	-	1.00		1.00		0.00	SPACE	1		28
29	-	-	-	1.00			1.00	0.00	SPACE	1		30

	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C
	70	3	XFMR 101-N-H-TR2-S1	8.61	8.61		
	-	-	-	9.71		9.71	
	-	-	-	8.60			8.60

TOTAL CONNECTED PHASE KVA:	19.54	24.25	19.01
TOTAL CONNECTED KVA:	62.80		
DEMAND OR DESIGN KVA:	64.75		
FUTURE KVA:	100.00		
TOTAL DEMAND OR DESIGN KVA:	164.75		
DEMAND OR DESIGN AMPERES:	198.16		

AMPERES INTERRUPTING RATING: 18,000

PANELBOARD: 126-N-L-PP1-S1 LOCATION: RAMP OPS ELEC ROOM 126

TYPE: LIGHTING & APPLIANCE
SERVICE: 208Y/120V, 3PH, 4W
MAINS: 150/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	ELEV MACH ROOM LIGHTS/RECEPTS	0.24	3.53			3.29	CU-CC-01	2	60	2
3	20	1	RECEPTACLES - OPERATIONS LVL	0.90		4.19		3.29	-	-	-	4
5	20	1	RECEPTACLES - OPERATIONS LVL	0.90			2.72	1.82	AC-CC-01	1	20	6
7	20	1	ELEVATOR CAB LIGHTS	1.00	2.20			1.20	HVAC CONTROL PANEL	1	20	8
9	20	1	ELEVATOR SUMP PUMP	0.90		1.40		0.50	EF-CC-02	1	20	10
11	20	1	ELEV PIT LIGHTS/RECEPTS	0.24			0.74	0.50	EF-CC-01	1	20	12
13	20	1	RECEPTACLES - OFFICE LVL	0.72	1.62			0.90	REFRIGERATOR	1	20	14
15	20	1	RECEPTACLES - OFFICE LVL	0.90		2.40		1.50	MICROWAVE OVEN	1	20	16
17	20	1	RECEPTACLES - OFFICE LVL	0.72			2.22	1.50	COFFEE MAKER	1	20	18
19	20	1	RECEPTACLES - OFFICE LVL	0.54	0.54			0.00	SPARE	1	20	20
21	20	1	RECEPTACLES - OFFICE LVL	0.72		0.72		0.00	SPARE	1	20	22
23	20	1	RECEPTACLES - OFFICE LVL	0.72			0.72	0.00	SPARE	1	20	24
25	20	1	RECEPTACLES - OFFICE LVL	0.72	0.72			0.00	SPARE	1	20	26
27	20	1	SPARE	0.00		1.00		1.00	CCTV CONTROL	1	20	28
29	20	1	DOA COMMUNICATIONS/DATA RACK	1.20			2.20	1.00	CARD READER CONTROL	1	20	30
31	20	1	SPARE	0.00	0.00			0.00	SPACE	1		32
33	20	1	SPARE	0.00		0.00		0.00	SPACE	1		34
35	20	1	SPARE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

TOTAL CONNECTED PHASE KVA:	8.61	9.71	8.60
TOTAL CONNECTED KVA:	26.92		
DEMAND OR DESIGN KVA:	28.46		
FUTURE KVA:	16.55		
TOTAL DEMAND OR DESIGN KVA:	45.00		
DEMAND OR DESIGN AMPERES:	124.91		

AMPERES INTERRUPTING RATING: 10,000

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3801 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.6204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

ELECTRICAL SCHEDULES

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER. HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
SEAL	DATE: 11/25/2014
	SCALE: NONE
	SHEET NO: E 5.1.1

NOT RELEASED FOR CONSTRUCTION

RELAY PANEL118-N-H-PP2-S1 SCHEDULE (INTERIOR WAREHOUSE LIGHTING)

RELAY NUMBER	BRANCH CIRCUIT CONNECTION	LOAD	ZONE
1	118-N-H-PP2-S1-1	WAREHOUSE HIGHBAY - 3 LAMPS	1A
2	118-N-H-PP2-S1-3	WAREHOUSE HIGHBAY - 3 LAMPS	1B
3	118-N-H-PP2-S1-5	WAREHOUSE HIGHBAY - 3 LAMPS	1A
4	118-N-H-PP2-S1-7	WAREHOUSE HIGHBAY - 3 LAMPS	1B
5	118-N-H-PP2-S1-9	WAREHOUSE HIGHBAY - 3 LAMPS	1A
6	118-N-H-PP2-S1-11	WAREHOUSE HIGHBAY - 3 LAMPS	1B
7	118-N-H-PP2-S1-13	WAREHOUSE HIGHBAY - 3 LAMPS	2A
8	118-N-H-PP2-S1-15	WAREHOUSE HIGHBAY - 3 LAMPS	2B
9	118-N-H-PP2-S1-17	WAREHOUSE HIGHBAY - 3 LAMPS	2A
10	118-N-H-PP2-S1-19	WAREHOUSE HIGHBAY - 3 LAMPS	2B
11	118-N-H-PP2-S1-21	WAREHOUSE HIGHBAY - 3 LAMPS	2A
12	118-N-H-PP2-S1-23	WAREHOUSE HIGHBAY - 3 LAMPS	2B
13	118-N-H-PP2-S1-2	WAREHOUSE HIGHBAY - 3 LAMPS	3A
14	118-N-H-PP2-S1-4	WAREHOUSE HIGHBAY - 3 LAMPS	3B
15	118-N-H-PP2-S1-6	WAREHOUSE HIGHBAY - 3 LAMPS	3A
16	118-N-H-PP2-S1-8	WAREHOUSE HIGHBAY - 3 LAMPS	3B
17	118-N-H-PP2-S1-10	WAREHOUSE HIGHBAY - 3 LAMPS	3A
18	118-N-H-PP2-S1-12	WAREHOUSE HIGHBAY - 3 LAMPS	3B
19	118-N-H-PP2-S1-14	WAREHOUSE HIGHBAY - 3 LAMPS	4A
20	118-N-H-PP2-S1-16	WAREHOUSE HIGHBAY - 3 LAMPS	4B
21	118-N-H-PP2-S1-18	WAREHOUSE HIGHBAY - 3 LAMPS	4A
22	118-N-H-PP2-S1-20	WAREHOUSE HIGHBAY - 3 LAMPS	4B
23	118-N-H-PP2-S1-25	WAREHOUSE UNDER MEZZANINE - 2 LAMPS	5A
24	118-N-H-PP2-S1-27	WAREHOUSE UNDER MEZZANINE - 2 LAMPS	5B
25	118-N-H-PP2-S1-22	WAREHOUSE UNDER MEZZANINE - 2 LAMPS	6A
26	118-N-H-PP2-S1-24	WAREHOUSE UNDER MEZZANINE - 2 LAMPS	6B
27		SPARE	
28		SPARE	
28		SPARE	
30		SPARE	
31		SPARE	
32		SPARE	
33		SPARE	
34		SPARE	
35		SPARE	
36		SPARE	

RELAY PANEL 118-N-H-PP3-S1 SCHEDULE - (EXTERIOR LIGHTING)

RELAY NUMBER	BRANCH CIRCUIT CONNECTION	LOAD	ZONE
1	118-N-H-PP3-S1-1	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
2	118-N-H-PP3-S1-2	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
3	118-N-H-PP3-S1-4	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
4	118-N-H-PP3-S1-6	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
5	118-N-H-PP3-S1-8	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
6	118-N-H-PP3-S1-10	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
7	118-N-H-PP3-S1-12	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
8	118-N-H-PP3-S1-14	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
9	118-N-H-PP3-S1-16	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
10	118-N-H-PP3-S1-18	APRON BUILDING MOUNTED FLOODLIGHTS	PC*
11	118-N-H-PP3-S1-20	APRON POLE MOUNTED FLOODLIGHTS	PC*
12	118-N-H-PP3-S1-22	APRON POLE MOUNTED FLOODLIGHTS	PC*
13	118-N-H-PP3-S1-24	APRON POLE MOUNTED FLOODLIGHTS	PC*
14	118-N-H-PP3-S1-3	TRUCK DOCK CANOPY LIGHTS	PC*
15	118-N-H-PP3-S1-5	TRUCK DOCK CANOPY LIGHTS	PC*
16	118-N-H-PP3-S1-7	BUILDING MOUNTED FLOODLIGHTS	PC*
17	118-N-H-PP3-S1-9	BUILDING MOUNTED FLOODLIGHTS	PC*
18	118-N-H-PP3-S1-11	BUILDING MOUNTED FLOODLIGHTS	PC*
19	118-N-H-PP3-S1-13	BUILDING MOUNTED FLOODLIGHTS	PC*
20		SPARE	
21		SPARE	
22		SPARE	
23		SPARE	
24		SPARE	
25		SPARE	
26		SPARE	
27		SPARE	
28		SPARE	
28		SPARE	
30		SPARE	
31		SPARE	
32		SPARE	
33		SPARE	
34		SPARE	
35		SPARE	
36		SPARE	

PC* = PHOTOCELL CONTROLLED FOR DUSK TO DAWN OPERATION

RELAY PANEL 118-N-H-PP1-S2 SCHEDULE (EXTERIOR PARKING LIGHTS)

RELAY NUMBER	BRANCH CIRCUIT CONNECTION	LOAD	ZONE
1 (3-POLE)	118-N-H-PP1-S2-1,3,5	PARKING LOT LIGHTS	PC*
2 (3-POLE)	118-N-H-PP1-S2-2,4,6	PARKING LOT LIGHTS	PC*
3 (3-POLE)	118-N-H-PP1-S2-8,10,12	PARKING LOT LIGHTS	PC*
4 (3-POLE)		SPARE	
5		SPARE	
6		SPARE	
7		SPARE	
8		SPARE	
9		SPARE	
10		SPARE	
11		SPARE	
12		SPARE	

PC* = PHOTOCELL CONTROLLED FOR DUSK TO DAWN OPERATION

PANELBOARD: 101-N-H-PP1-S1 — LOCATION: WAREHOUSE 101

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 225/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☑ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	3	OH DOORS/DOCK LEVELERS	2.33	4.66			2.33	OH DOORS/DOCK LEVELERS	3	20	2
3	-	-	-	2.33		4.66		2.33	-	-	-	4
5	-	-	-	2.33			4.66	2.33	-	-	-	6
7	20	3	OH DOORS/DOCK LEVELERS	2.33	4.66			2.33	OH DOORS/DOCK LEVELERS	3	20	8
9	-	-	-	2.33		4.66		2.33	-	-	-	10
11	-	-	-	2.33			4.66	2.33	-	-	-	12
13	20	3	OH DOORS/DOCK LEVELERS	2.33	4.66			2.33	OH DOORS/DOCK LEVELERS	3	20	14
15	-	-	-	2.33		4.66		2.33	-	-	-	16
17	-	-	-	2.33			4.66	2.33	-	-	-	18
19	20	3	OH DOORS/DOCK LEVELERS	2.33	4.66			2.33	OH DOORS/DOCK LEVELERS	3	20	20
21	-	-	-	2.33		4.66		2.33	-	-	-	22
23	-	-	-	2.33			4.66	2.33	-	-	-	24
25	20	3	OH DOORS/DOCK LEVELERS	2.33	2.33			0.00	SPACE	1		26
27	-	-	-	2.33		2.33		0.00	SPACE	1		28
29	-	-	-	2.33			2.33	0.00	SPACE	1		30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C
	50	3	XFMR 101-N-H-TR1-S1	0.72	0.72		
	-	-	-	0.72		0.72	
	-	-	-	1.20			1.20
			TOTAL CONNECTED PHASE KVA:		21.69	21.69	22.17

TOTAL CONNECTED KVA: 65.55
DEMAND OR DESIGN KVA: 65.55
FUTURE KVA: 100.00
TOTAL DEMAND OR DESIGN KVA: 165.55
DEMAND OR DESIGN AMPERES: 199.13
AMPERES INTERRUPTING RATING: 18,000

PANELBOARD: 101-N-L-PP1-S1 — LOCATION: WAREHOUSE 101

TYPE: LIGHTING & APPLIANCE
SERVICE: 208Y/120V, 3PH, 4W
MAINS: 100/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	RECEPTACLES	0.72	0.72			0.00	SPARE	1	20	2
3	20	1	RECEPTACLES	0.72		0.72		0.00	SPARE	1	20	4
5	20	1	IRH CONTROL POWER	1.20			1.20	0.00	SPARE	1	20	6
7	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	8
9	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	10
11	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	12
13	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	14
15	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	16
17	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	18
19	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	20
21	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	22
23	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	24
25	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	26
27	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	28
29	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42
			TOTAL CONNECTED PHASE KVA:		0.72	0.72	1.20					

TOTAL CONNECTED KVA: 2.64
DEMAND OR DESIGN KVA: 2.64
FUTURE KVA: 27.36
TOTAL DEMAND OR DESIGN KVA: 30.00
DEMAND OR DESIGN AMPERES: 83.27
AMPERES INTERRUPTING RATING: 10,000

PANELBOARD: 101-N-H-PP2-S1 — LOCATION: WAREHOUSE 101

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 225/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☑ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	3	OH DOORS/DOCK LEVELERS	2.33	4.66			2.33	OH DOORS/DOCK LEVELERS	3	20	2
3	-	-	-	2.33		4.66		2.33	-	-	-	4
5	-	-	-	2.33			4.66	2.33	-	-	-	6
7	20	3	OH DOORS/DOCK LEVELERS	2.33	4.66			2.33	OH DOORS/DOCK LEVELERS	3	20	8
9	-	-	-	2.33		4.66		2.33	-	-	-	10
11	-	-	-	2.33			4.66	2.33	-	-	-	12
13	20	3	OH DOORS/DOCK LEVELERS	1.16	3.49			2.33	OH DOORS/DOCK LEVELERS	3	20	14
15	-	-	-	1.16		3.49		2.33	-	-	-	16
17	-	-	-	1.16			3.49	2.33	-	-	-	18
19	20	3	OH DOORS/DOCK LEVELERS	2.33	4.66			2.33	OH DOORS/DOCK LEVELERS	3	20	20
21	-	-	-	2.33		4.66		2.33	-	-	-	22
23	-	-	-	2.33			4.66	2.33	-	-	-	24
25			SPACE	0.00	0.00			0.00	SPACE	1		26
27			SPACE	0.00		0.00		0.00	SPACE	1		28
29			SPACE	0.00			0.00	0.00	SPACE	1		30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C
	50	3	XFMR 101-N-H-TR2-S1	0.54	0.54		
	-	-	-	0.72		0.72	
	-	-	-	1.90			1.90
			TOTAL CONNECTED PHASE KVA:		18.01	18.19	19.37

TOTAL CONNECTED KVA: 55.57
DEMAND OR DESIGN KVA: 55.57
FUTURE KVA: 100.00
TOTAL DEMAND OR DESIGN KVA: 155.57
DEMAND OR DESIGN AMPERES: 187.12
AMPERES INTERRUPTING RATING: 18,000

PANELBOARD: 101-N-L-PP2-S1 — LOCATION: WAREHOUSE 101

TYPE: LIGHTING & APPLIANCE
SERVICE: 208Y/120V, 3PH, 4W
MAINS: 100/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	RECEPTACLES	0.54	0.54			0.00	SPARE	1	20	2
3	20	1	RECEPTACLES	0.72		0.72		0.00	SPARE	1	20	4
5	20	1	IRH CONTROL POWER	1.20			1.20	0.00	SPARE	1	20	6
7	20	1	EWC	0.00	0.00			0.00	SPARE	1	20	8
9	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	10
11	20	1	SPARE	0.70			0.70	0.00	SPARE	1	20	12
13	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	14
15	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	16
17	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	18
19	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	20
21	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	22
23	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	24
25	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	26
27	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	28
29	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	30
31	20	1	SPARE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42
			TOTAL CONNECTED PHASE KVA:		0.54	0.72	1.90					

TOTAL CONNECTED KVA: 3.16
DEMAND OR DESIGN KVA: 3.16
FUTURE KVA: 26.84
TOTAL DEMAND OR DESIGN KVA: 30.00
DEMAND OR DESIGN AMPERES: 83.27
AMPERES INTERRUPTING RATING: 10,000

PANELBOARD: 101-N-H-PP3-S1 — LOCATION: WAREHOUSE 101

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 225/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	3	OH DOOR	0.58	1.16			0.58	OH DOOR	3	20	2
3	-	-	-	0.58		1.16		0.58	-	-	-	4
5	-	-	-	0.58			1.16	0.58	-	-	-	6
7	20	3	OH DOOR	0.58	0.58			0.00	SPACE	1		8
9	-	-	-	0.58		0.58		0.00	SPACE	1		10
11	-	-	-	0.58			0.58	0.00	SPACE	1		12
13		1	SPACE	0.00	0.00			0.00	SPACE	1		14
15		1	SPACE	0.00		0.00		0.00	SPACE	1		16
17		1	SPACE	0.00			0.00	0.00	SPACE	1		18
19		1	SPACE	0.00	0.00			0.00	SPACE	1		20
21		1	SPACE	0.00		0.00		0.00	SPACE	1		22
23		1	SPACE	0.00			0.00	0.00	SPACE	1		24
25		1	SPACE	0.00	0.00			0.00	SPACE	1		26
27		1	SPACE	0.00		0.00		0.00	SPACE	1		28
29		1	SPACE	0.00			0.00	0.00	SPACE	1		30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C
	50	3	XFMR 101-N-H-TR1-S1	1.04	1.04		
	-	-	-	0.72		0.72	
	-	-	-	0.60			0.60
			TOTAL CONNECTED PHASE KVA:		2.78	2.46	2.34

TOTAL CONNECTED KVA: 7.58
DEMAND OR DESIGN KVA: 7.58
FUTURE KVA: 100.00
TOTAL DEMAND OR DESIGN KVA: 107.58
DEMAND OR DESIGN AMPERES: 129.40
AMPERES INTERRUPTING RATING: 18,000

PANELBOARD: 101-N-L-PP3-S1 — LOCATION: WAREHOUSE 101

TYPE: LIGHTING & APPLIANCE
SERVICE: 208Y/120V, 3PH, 4W
MAINS: 100/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	1	RECEPTACLES	0.54	0.54			0.00	SPARE	1	20	2
3	20	1	RECEPTACLES	0.72		0.72		0.00	SPARE	1	20	4
5	20	1	IRH CONTROL POWER	0.60			0.60	0.00	SPARE	1	20	6
7	20	1	HVU MOTORIZED DAMPER	0.50	0.50			0.00	SPARE	1	20	8
9	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	10
11	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	12
13	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	14
15	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	16
17	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	18
19	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	20
21	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	22
23	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	24
25	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	26
27	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	28
29	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42
			TOTAL CONNECTED PHASE KVA:		1.04	0.72	0.60					

TOTAL CONNECTED KVA: 2.36
DEMAND OR DESIGN KVA: 2.36
FUTURE KVA: 27.64
TOTAL DEMAND OR DESIGN KVA: 30.00
DEMAND OR DESIGN AMPERES: 83.27
AMPERES INTERRUPTING RATING: 10,000

PANELBOARD: 101-N-H-PP4-S1 — LOCATION: WAREHOUSE 101

TYPE: LIGHTING & APPLIANCE
SERVICE: 480Y/277V, 3PH, 4W
MAINS: 225/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☑ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
1	20	3	OH DOOR	0.58	1.16			0.58	OH DOOR	3	20	2
3	-	-	-	0.58		1.16		0.58	-	-	-	4
5	-	-	-	0.58			1.16	0.58	-	-	-	6
7		1	SPACE	0.00	0.58			0.58	OH DOOR	3	20	8
9		1	SPACE	0.00		0.58		0.58	-	-	-	10
11		1	SPACE	0.00			0.58	0.58	-	-	-	12
13		1	SPACE	0.00	0.00			0.00	SPACE	1		14
15		1	SPACE	0.00		0.00		0.00	SPACE	1		16
17		1	SPACE	0.00			0.00	0.00	SPACE	1		18
19		1	SPACE	0.00	0.00			0.00	SPACE	1		20
21		1	SPACE	0.00		0.00		0.00	SPACE	1		22
23		1	SPACE	0.00			0.00	0.00	SPACE	1		24
25		1	SPACE	0.00	0.00			0.00	SPACE	1		26
27		1	SPACE	0.00		0.00		0.00	SPACE	1		28
29		1	SPACE	0.00			0.00	0.00	SPACE	1		30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42

	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C
	50	3	XFMR 101-N-H-TR2-S1	1.04	1.04		
	-	-	-	0.72		0.72	
	-	-	-	0.60			0.60
			TOTAL CONNECTED PHASE KVA:		2.78	2.46	2.34

TOTAL CONNECTED KVA: 7.58
DEMAND OR DESIGN KVA: 7.58
FUTURE KVA: 100.00
TOTAL DEMAND OR DESIGN KVA: 107.58
DEMAND OR DESIGN AMPERES: 129.40
AMPERES INTERRUPTING RATING: 18,000

PANELBOARD: 101-N-L-PP4-S1 — LOCATION: WAREHOUSE 101

TYPE: LIGHTING & APPLIANCE
SERVICE: 208Y/120V, 3PH, 4W
MAINS: 100/3 MCB
CABINET: NEMA 1
☐ FEED-THRU LUGS
☐ SUB-FEED LUGS
1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULED.
MOUNTING: SURFACE

CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA PH-A	KVA PH-B	KVA PH-C	CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT
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3	20	1	RECEPTACLES	0.72		0.72		0.00	SPARE	1	20	4
5	20	1	IRH CONTROL POWER	0.60			0.60	0.00	SPARE	1	20	6
7	20	1	HVU MOTORIZED DAMPER	0.50	0.50			0.00	SPARE	1	20	8
9	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	10
11	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	12
13	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	14
15	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	16
17	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	18
19	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	20
21	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	22
23	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	24
25	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	26
27	20	1	SPARE	0.00		0.00		0.00	SPARE	1	20	28
29	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	30
31		1	SPACE	0.00	0.00			0.00	SPACE	1		32
33		1	SPACE	0.00		0.00		0.00	SPACE	1		34
35		1	SPACE	0.00			0.00	0.00	SPACE	1		36
37		1	SPACE	0.00	0.00			0.00	SPACE	1		38
39		1	SPACE	0.00		0.00		0.00	SPACE	1		40
41		1	SPACE	0.00			0.00	0.00	SPACE	1		42
			TOTAL CONNECTED PHASE KVA:		1.04	0.72	0.60					

TOTAL CONNECTED KVA: 2.36
DEMAND OR DESIGN KVA: 2.36
FUTURE KVA: 27.64
TOTAL DEMAND OR DESIGN KVA: 30.00
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AMPERES INTERRUPTING RATING: 10,000

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MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3801 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.6204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

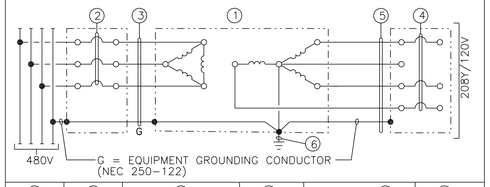
AIR CARGO BUILDING C

ELECTRICAL SCHEDULES

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER. HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
	DATE: 11/25/2014
	SCALE: NONE
SEAL	SHEET NO: E 5.1.2

NOT RELEASED FOR CONSTRUCTION

DRY TYPE TRANSFORMER CIRCUITING SCHEDULE



① KVA RATING	② PRIMARY C.B.	③ PRIMARY FEEDER CABLE SIZE	③ PRIMARY FEEDER COND. SIZE	④ SECONDARY C.B.	⑤ SECONDARY FEEDER CABLE SIZE	⑤ SECONDARY FEEDER COND. SIZE	⑥ GROUNDING ELECTRODE CONDUCTOR NEC 250-66
15	30	3#10 1#10G	¾"	50	4#6 1#8G	1"	#8
30	50	3#6 1#10G	1"	100	4#2 1#8G	1½"	#8
45	70	3#4 1#8G	1¼"	150	4#1/0 1#6G	2"	#6
75	125	3#1 1#6G	1½"	250	4#250 1#2G	3"	#2
112.5	175	3#2/0 1#6G	2"	400	4#500 1#2G	4"	#1/0

1 E 6.1.1 **ELECTRICAL SINGLE LINE DIAGRAM**
SCALE: NONE

GENERAL NOTES: (APPLIES TO THIS DRAWING ONLY)

1. SEE SHEET E 7.1.1 FOR SERVICE ENTRANCE AND GROUNDING SYSTEM REQUIREMENTS.
2. SERVICE ENTRANCE SWITCHBOARD SHALL BE FIELD LABELED TO INCLUDE THE MAXIMUM AVAILABLE SHORT CIRCUIT CURRENT IN ACCORDANCE WITH NEC ARTICLE 110.24(A). FIELD LABEL SHALL BE FROM STUDY PERFORMED BY CONTRACTOR, NOT FROM DESIGN DOCUMENTS AND SHALL INCLUDE DATE OF STUDY.

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STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

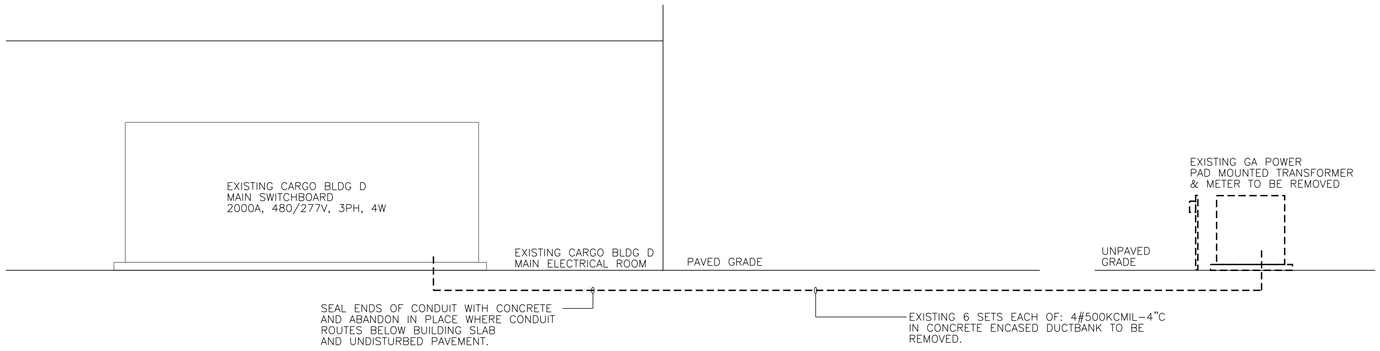
ELECTRICAL SINGLE LINE DIAGRAM

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
	DATE: 11/25/2014
	SCALE: NONE
SEAL	SHEET NO: E 6.1.1

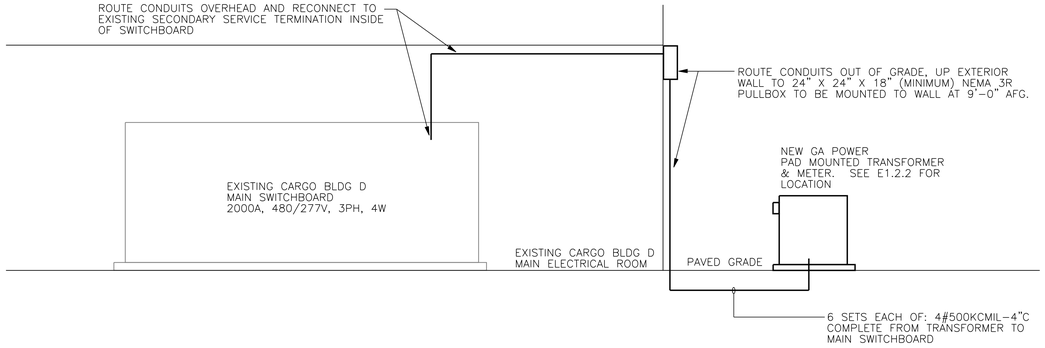
NOT RELEASED FOR CONSTRUCTION

GENERAL NOTES: (APPLIES TO THIS DRAWING ONLY)

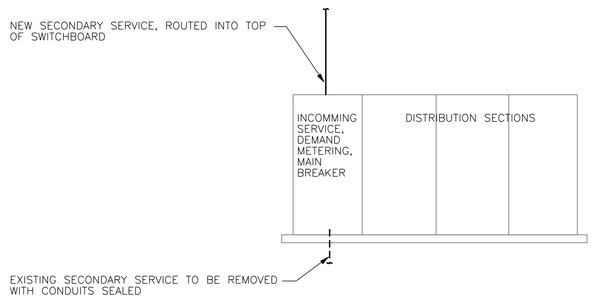
1. COORDINATE ALL WORK REQUIRED WITH GEROGIA POWER COMPANY. PRIMARY FEEDER AND TRANSFORMER REPLACEMENT WILL BE INSTALLED BY POWER COMPANY.
2. NEW SERVICE ENTRANCE AND FEEDER MUST BE INSTALLED AND TESTED, WITH SECONDARY SERVICE READY TO BE RECONNECTED PRIOR TO DISCONNECTION OF EXISTING SERVICE. SWITCHOVER TO NEW SERVICE MUST MINIMIZE POWER OUTAGE TO BUILDING AND MUST BE COORDINATED WITH DOA AND BUILDING TENANT. AT DOA'S DISCRETION, PROVIDE A TEMPORARY GENERATOR CONNECTION TO KEEP BUILDING OPERATIONAL DURING THIS WORK.



1 / E 7.1.1 **CARGO BUILDING D ELECTRICAL SERVICE ENTRANCE DEMOLITION RISER DIAGRAM**
SCALE: NONE



2 / E 7.1.1 **CARGO BUILDING D ELECTRICAL SERVICE ENTRANCE NEW WORK RISER DIAGRAM**
SCALE: NONE



3 / E 7.1.1 **CARGO BUILDING D MAIN SWITCHBOARD PARTIAL ELEVATION**
SCALE: NONE

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SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

CARGO BUILDING D
ELECTRICAL POWER
RISER DIAGRAMS

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
	DATE: 11/25/2014
	SCALE: NONE
SEAL	SHEET NO: E 6.1.2

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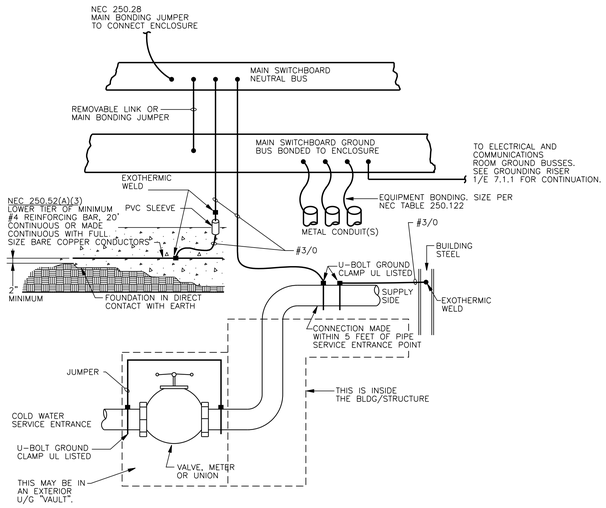
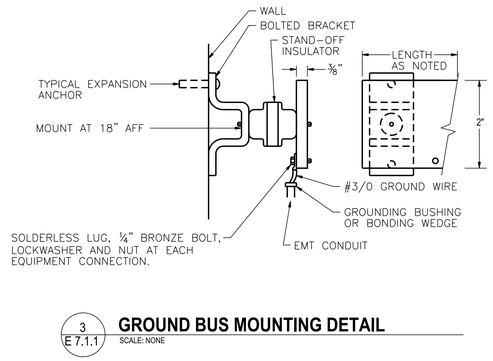


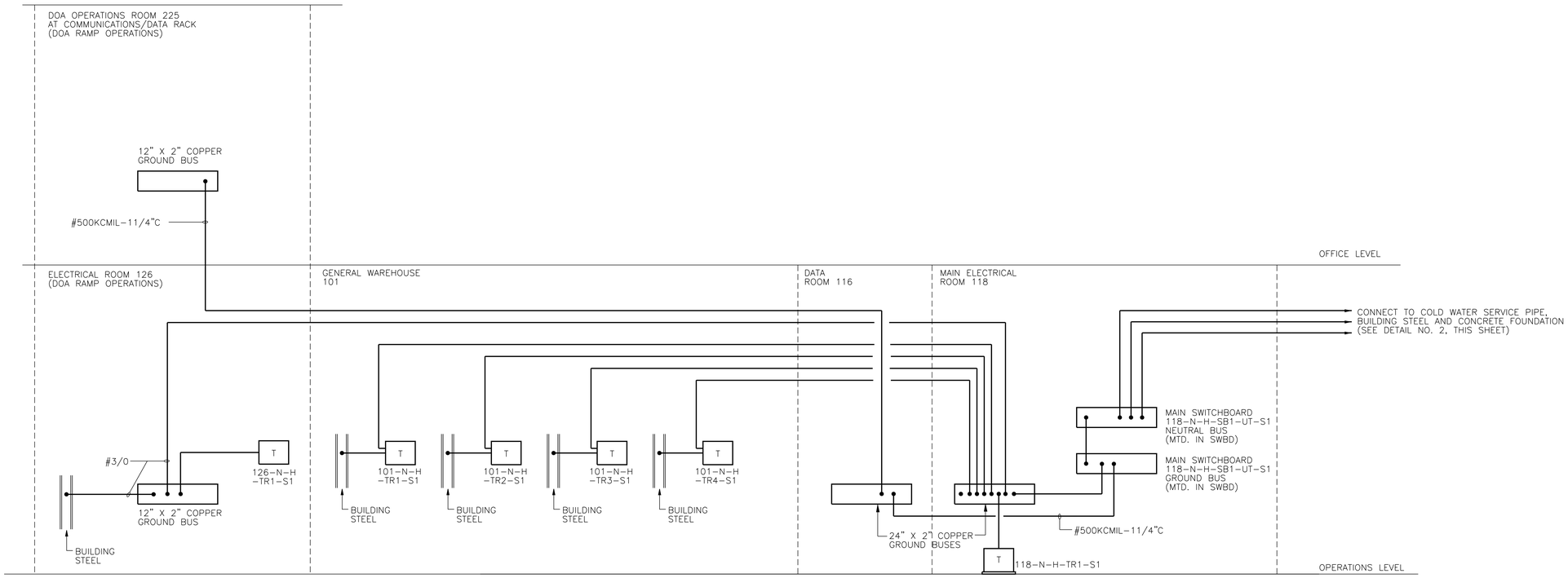
2 / E 7.1.1 **SERVICE ENTRANCE GROUNDING SYSTEM**
SCALE: NONE



3 / E 7.1.1 **GROUND BUS MOUNTING DETAIL**
SCALE: NONE

GENERAL NOTES:

1. FOR ELECTRICAL RATINGS OF TRANSFORMERS, REFER TO ELECTRICAL SINGLE LINE DIAGRAM ON SHEET E 6.1.1.
2. FOR TRANSFORMER EQUIPMENT GROUNDING CONDUCTOR SIZES, REFER TO DRY TYPE TRANSFORMER CIRCUITING SCHEDULE ON SHEET E 6.1.1.
3. FOR GROUND BUS MOUNTING DETAIL, REFER TO DETAIL NO. 2 ON THIS DRAWING.
4. ALL GROUND WIRES SHALL BE ROUTED IN 3/4" MINIMUM EMT CONDUIT UNO.



1 / E 7.1.1 **GROUNDING RISER DIAGRAM**
SCALE: NONE

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FAX: 404.946.2017

MATRIX 3D
44 BROAD STREET
ATLANTA, GA 30303
PHONE:404.522.3001
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SOUTHEASTERN ENGINEERING, INC. (SEI)
2470 SANDY PLAINS ROAD
MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

AIR CARGO BUILDING C; 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

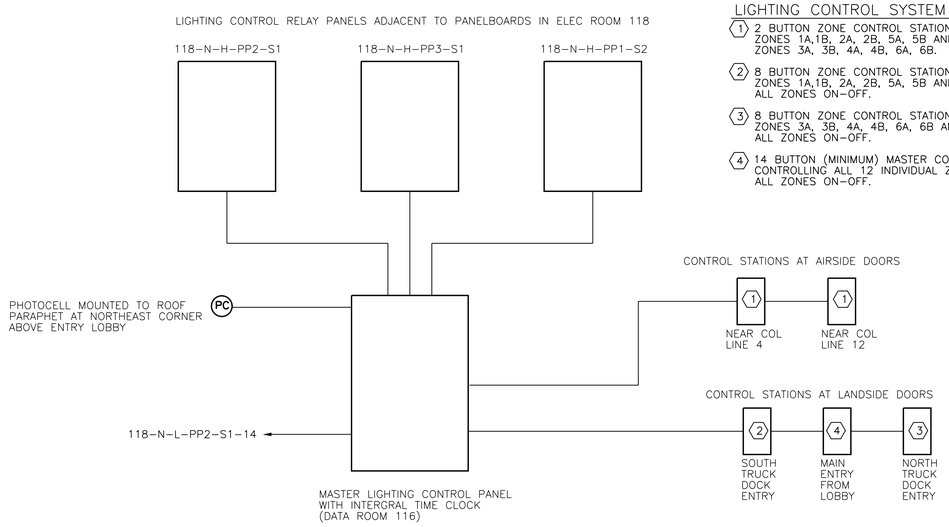
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

GROUNDING RISER DIAGRAM

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
SEAL	DATE: 11/25/2014
	SCALE: NONE
	SHEET NO: E 7.1.1

NOT RELEASED FOR CONSTRUCTION



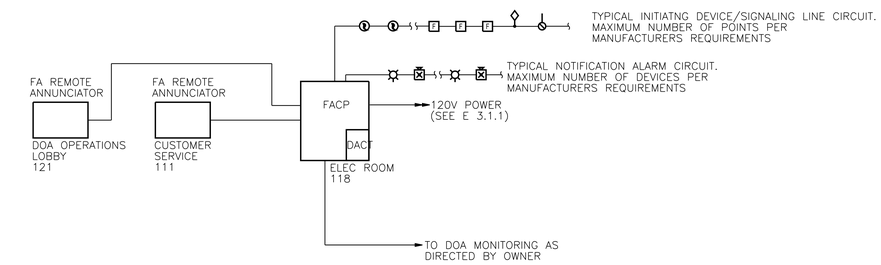
LIGHTING CONTROL SYSTEM KEYED NOTES:

1. 2 BUTTON ZONE CONTROL STATION WITH SINGLE BUTTON CONTROLLING ZONES 1A,1B, 2A, 2B, 5A, 5B AND SINGLE BUTTON CONTROLLING ZONES 3A, 3B, 4A, 4B, 6A, 6B.
2. 8 BUTTON ZONE CONTROL STATION WITH INDIVIDUAL BUTTONS CONTROLLING ZONES 1A,1B, 2A, 2B, 5A, 5B AND SINGLE BUTTON CONTROLLING ALL ZONES ON-OFF.
3. 8 BUTTON ZONE CONTROL STATION WITH INDIVIDUAL BUTTONS CONTROLLING ZONES 3A, 3B, 4A, 4B, 6A, 6B AND SINGLE BUTTON CONTROLLING ALL ZONES ON-OFF.
4. 14 BUTTON (MINIMUM) MASTER CONTROL STATION WITH INDIVIDUAL BUTTONS CONTROLLING ALL 12 INDIVIDUAL ZONES, AND SINGLE BUTTON CONTROLLING ALL ZONES ON-OFF.

2 E 7.1.2 LIGHTING CONTROL SYSTEM RISER DIAGRAM

SCALE: NONE

SEE RELAY PANEL SCHEDULES, SHEET E 5.1.2 FOR BRANCH CIRCUIT ZONE ASSIGNMENTS



3 E 7.1.2 FIRE ALARM SYSTEM RISER DIAGRAM

SCALE: NONE

RISER NOTES:

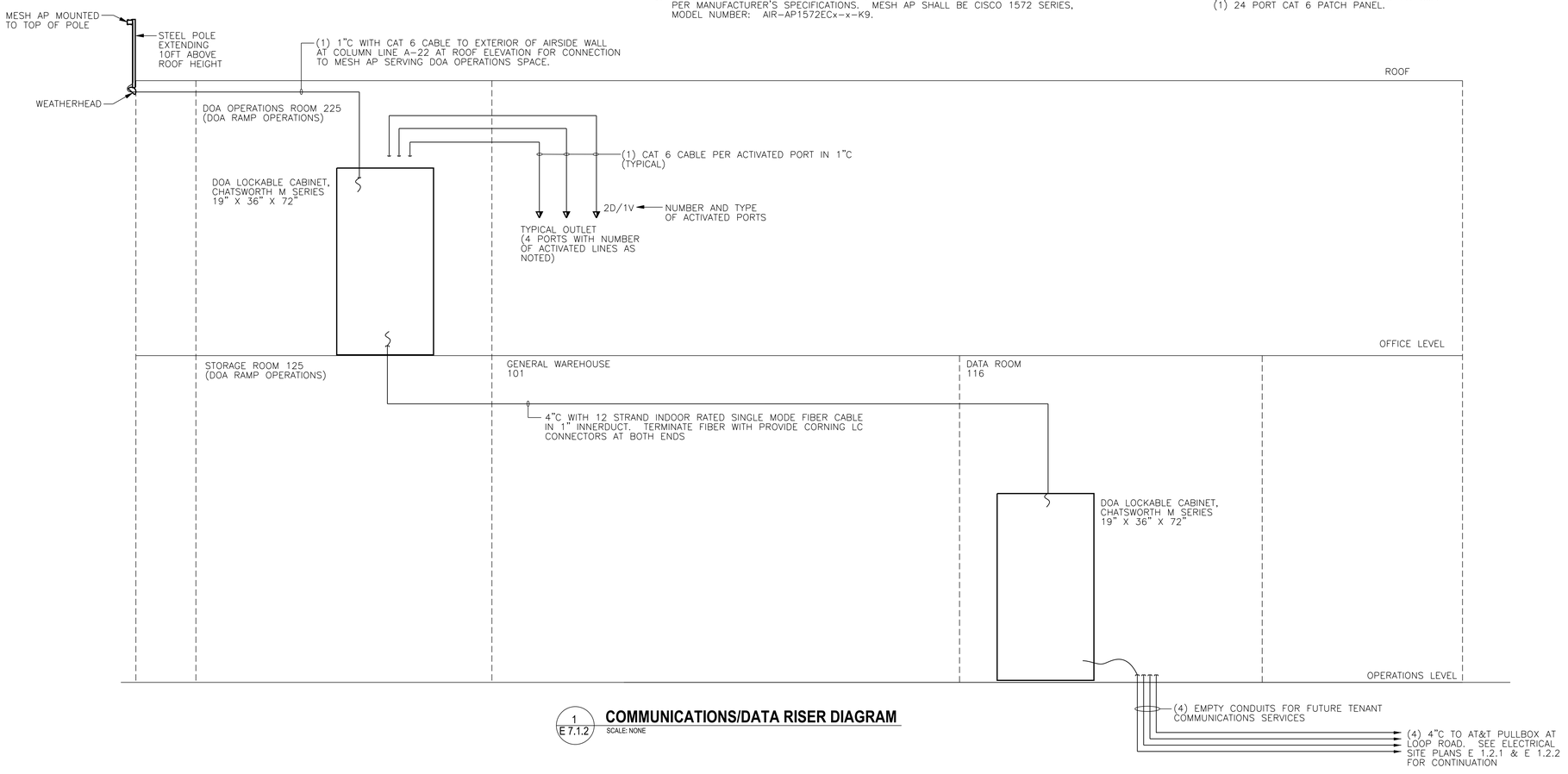
1. PROVIDE FULLY ADDRESSABLE ALARM DEVICES AND MULTIPLEX WIRING PER MANUFACTURER'S DIRECTIONS.
2. RISER DOES NOT INDICATE TOTAL QUANTITY OF DEVICES, ONLY TYPICAL REQUIREMENTS. SEE SYSTEMS FLOOR PLANS FOR ALL LOCATIONS AND QUANTITIES OF DEVICES REQUIRED.
3. ALL FIRE ALARM WIRING WILL BE RUN COMPLETE IN ¾" CONDUIT FROM DEVICE LOCATION OUTLET BOXES TO EQUIPMENT PANELS. CONDUITS FOR FIRE ALARM SHALL BE DEDICATED AS SUCH, AND SHALL CONTAIN NO OTHER SYSTEMS WIRING.

MESH AP EQUIPMENT NOTES:

1. PROVIDE WIND LOAD CALCULATION FOR P&D APPROVAL OF STEEL POLE AND MESH AP ASSEMBLY INSTALLATION. COORDINATE WITH STRUCTURAL FOR MOUNTING OF POLE TO BUILDING.
2. INSTALL WEATHERHEAD AD CAT 6 CABLE FROM AP TO THE DOA LOCKABLE CABINET COMPLETE.
3. PROVIDE OUTDOOR MESH AP WITH ALL ASSOCIATED PARTS AND MOUNT TO POLE PER MANUFACTURER'S SPECIFICATIONS. MESH AP SHALL BE CISCO 1572 SERIES, MODEL NUMBER: AIR-AP1572ECx-x-K9.

DATA CABINET EQUIPMENT: (MODEL NUMBERS SUBJECT TO CHANGE BY VENDOR)

1. PROVIDE THE FOLLOWING COMPONENTS AND INSTALL IN BOTH CABINETS AS DIRECTED BY DIT:
   (1 EA) 24 PORT MODULAR FIBER PATCH PANEL, CORNING CCH.
2. PROVIDE THE FOLLOWING EQUIPMENT AND INSTALL IN CABINET AT ROOM 226 AS DIRECTED BY DIT:
   (1) CISCO SWITCH, MODEL WS-C3750X-48P-S
   (2) CISCO TRANCEIVERS, MODEL GLC-LH-SMD
   (1) 24 PORT CAT 6 PATCH PANEL.



1 E 7.1.2 COMMUNICATIONS/DATA RISER DIAGRAM

SCALE: NONE

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Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

NO.	DATE	BY	REVISION

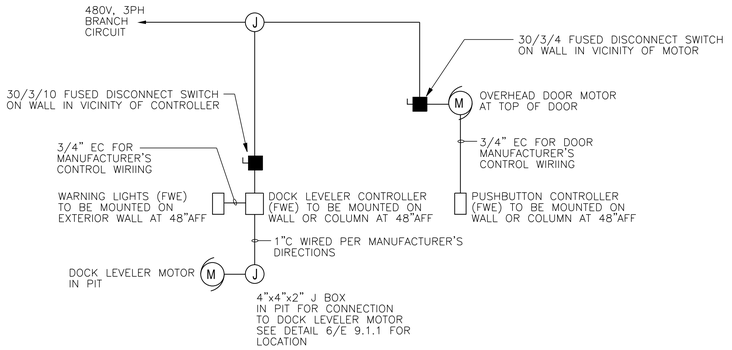
AIR CARGO BUILDING C

ELECTRICAL SYSTEMS RISER DIAGRAMS

WBS NUMBER: D.07.55.009	DRAWN BY: M. TRINKER
FC NUMBER: FC-6006007929-A	DESIGNED BY: M. TRINKER
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: S. SVEDA
	APPROVED BY: S. SVEDA
	DATE: 11/25/2014
	SCALE: NONE
SEAL	SHEET NO: E 7.1.2

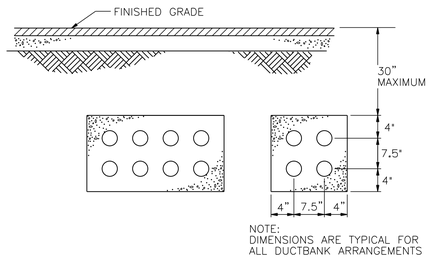
AIR CARGO BUILDING C; 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT RELEASED FOR CONSTRUCTION



1 E 9.1.1 OVERHEAD DOOR & DOCK LEVELER CONNECTION DETAIL

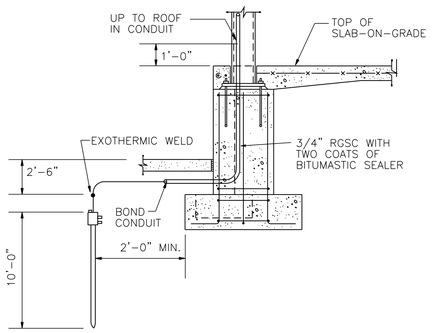
SCALE: NONE



NOTE:
DIMENSIONS ARE TYPICAL FOR
ALL DUCTBANK ARRANGEMENTS

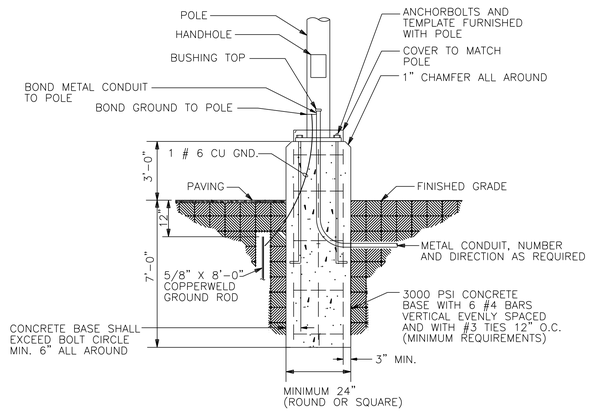
2 E 9.1.1 TYPICAL CONDUIT DUCTBANK DETAIL

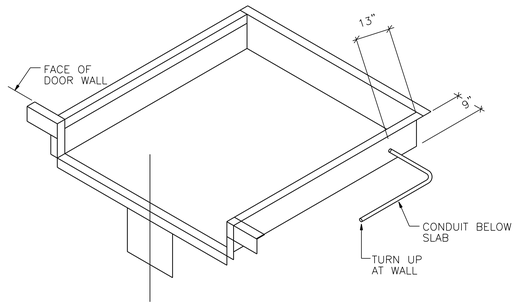
SCALE: NONE

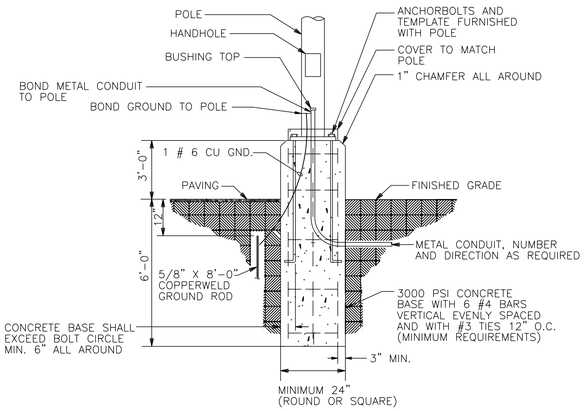


3 E 9.1.1 GROUND ROD CONNECTION DETAIL

SCALE: NONE







4 E 9.1.1 EXTENDED POLE BASE DETAIL - TYPE MA FIXTURE

SCALE: NONE

DETAIL NOTES:

1. POLE AND BASE WITH LUMINAIRES SHALL BE RATED FOR 115 MPH WIND LOADING WITH 1.3 GUST FACTOR PER AASHTO LTS-2.
2. POLE AND BASE SHALL BE DESIGNED AND RATED FOR SITE SEISMIC CONDITIONS. SEE STRUCTURAL GENERAL NOTES FOR CRITERIA.
3. PROVIDE IN-LINE WATERPROOF FUSE HOLDERS WITH 10AMP FUSES (OR OTHER SIZE AS RECOMMENDED BY LUMINAIRE MANUFACTURER) IN HANDHOLE IN PHASE CONDUCTORS TO LUMINAIRES. FUSE HOLDERS SHALL BE RATED 30AMP, 600V, DOUBLE POLE, EQUAL TO BUSS "TRON SERIES" MODEL HEX.
4. ANCHORBOLTS SHALL EXTEND 11/2" ABOVE TOP OF CONCRETE BASE.

6 E 9.1.1 DOCK LEVELER PIT CONNECTION DETAIL

SCALE: NONE

DETAIL NOTES:

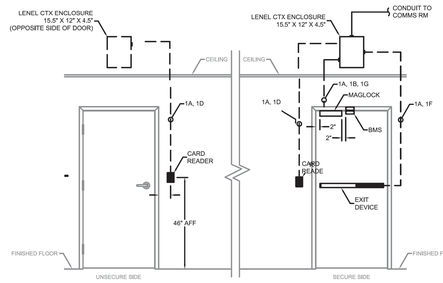
1. COORDINATE DIMENSIONS AND LOCATIONS OF CONDUIT WITH MANUFACTURER'S EQUIPEMTN TO BE INSTALLED.

7 E 9.1.1 POLE BASE DETAIL - TYPE SA, SB SERIES FIXTURE

SCALE: NONE

DETAIL NOTES:

1. POLE AND BASE WITH LUMINAIRES SHALL BE RATED FOR 115 MPH WIND LOADING WITH 1.3 GUST FACTOR PER AASHTO LTS-2.
2. POLE AND BASE SHALL BE DESIGNED AND RATED FOR SITE SEISMIC CONDITIONS. SEE STRUCTURAL GENERAL NOTES FOR CRITERIA.
3. PROVIDE IN-LINE WATERPROOF FUSE HOLDERS WITH 10AMP FUSES (OR OTHER SIZE AS RECOMMENDED BY LUMINAIRE MANUFACTURER) IN HANDHOLE IN PHASE CONDUCTORS TO LUMINAIRES. FUSE HOLDERS SHALL BE RATED 30AMP, 600V, DOUBLE POLE, EQUAL TO BUSS "TRON SERIES" MODEL HEX.
4. ANCHORBOLTS SHALL EXTEND 11/2" ABOVE TOP OF CONCRETE BASE.

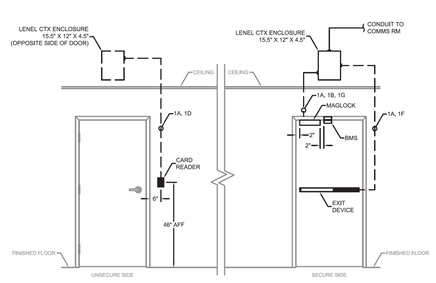


8 E 9.1.1 CARD READER HARDWARE DOOR DETAIL HW29C

SCALE: NONE

DETAIL NOTES:

1. DIV 26 CONTRACTOR SHALL BE REASONSIBLE TO PROCURE ALL DEVICES, BOXES AND WIRE FROM DOA SECURITY VENDOR EXCEPT FOR PANIC HARDWARE EXIT DEVICE, WHICH WILL BE FURNISHED WITH DOOR. INSTALLATION SHALL BE UNDER THE SCOPE OF THIS CONTRACT BY DOA SECURITY VENDOR.

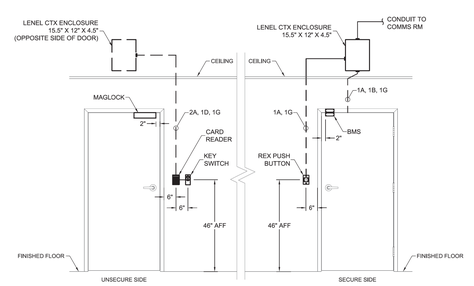


9 E 9.1.1 CARD READER HARDWARE DOOR DETAIL HW29B

SCALE: NONE

DETAIL NOTES:

1. DIV 26 CONTRACTOR SHALL BE REASONSIBLE TO PROCURE ALL DEVICES, BOXES AND WIRE FROM DOA SECURITY VENDOR EXCEPT FOR PANIC HARDWARE EXIT DEVICE, WHICH WILL BE FURNISHED WITH DOOR. INSTALLATION SHALL BE UNDER THE SCOPE OF THIS CONTRACT BY DOA SECURITY VENDOR.



10 E 9.1.1 CARD READER HARDWARE DOOR DETAIL HW87

SCALE: NONE

DETAIL NOTES:

1. DIV 26 CONTRACTOR SHALL BE REASONSIBLE TO PROCURE ALL DEVICES, BOXES AND WIRE FROM DOA SECURITY VENDOR. INSTALLATION SHALL BE UNDER THE SCOPE OF THIS CONTRACT BY DOA SECURITY VENDOR.

CITY OF ATLANTA, GEORGIA

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FAX: 404.946.2017

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ATLANTA, GA 30303
PHONE:404.522.3801
FAX: 404.522.3823

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